# Subject Index to Volume 110 (1998)

## SPECIAL CATEGORIES

### Editorials


Editorial — Anne Cowley and David Hartwick; **110**(743), 1

Editorial — John R. Percy; **110**(743), 2


### Invited Reviews


Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium — Robert D. Gehrz, James W. Truran, Robert E. Williams, and Sumner Starrfield; **110**(743), 3–26

Astrophysics in 1997 — Virginia Trimble and Lucy-Ann McFadden; **110**(745), 223–267

The Compact Steep-Spectrum and Gigahertz Peaked-Spectrum Radio Sources — Christopher P. O'Dea; **110**(747), 493–532

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778


### Research Notes


High State of Hα Emission Activity of the Herbig Be Star HD 200775 — Anatoly S. Miroshnichenko, Christopher L. Mulliss, Karen S. Bjorkman, Nancy D. Morrison, Yuri V. Glagolevskij, and Georgij A. Chountonov; **110**(750), 883–887

A Hidden Broad-Line Region in the Weak Seyfert 2 Galaxy NGC 788 — Laura E. Kay and Edward C. Moran; **110**(751), 1003–1006

Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star — David R. Ciardi, Steve B. Howell, V. S. Dhillon, R. Mark Wagner, Peter H. Hauschildt, and France Allard; **110**(751), 1007–1011

A Planet with a 3.1 Day Period around a Solar Twin — R. Paul Butler, Geoffrey W. Marcy, Steven S. Vogt, and Kevin Apps; **110**(754), 1389–1393


### Dissertation Summaries


Studies of Substructure in Galaxy Clusters: A Two-dimensional Analysis — Jeffrey R. Kriessler; **110**(743), 92

Observational Study of AGB Stars in the Outer Galactic Disk — Biwei Jiang; **110**(744), 214

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

Stellar Structure and Dynamics of the Inner Galaxy — Maartje Sevenster; **110**(748), 760

Multiwavelength Observations of Quasars and Their Environments — Eric J. Hooper; **110**(749), 879

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

Compact Nuclei in Galaxies at Moderate Redshift — Vicki Lynn Sarajedini; **110**(750), 999

The Reaction of Low-Mass Stars to Anisotropic Irradiation and Its Implications for the Secular Evolution of Cataclysmic Variables — Zhongyong Zhang; **110**(750), 1000

Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001

Dynamical Evolution of Open Star Clusters — Raúl de la Fuente Marcos; **110**(751), 1117

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

Clustering of Galaxies in Pisces-Perseus: Structural Order and Spatial Correlations — Shirin Haque-Copilah; **110**(752), 1250

White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

A Study of Young Stellar Objects and Star-forming Regions — Jun-Jie Wang; **110**(753), 1371

Venus Lyα: A Morphological and Radiative Transfer Analysis — William B. Colwell; **110**(753), 1372


### Conference Highlights


The Low Surface Brightness Universe: IAU Colloquium 171 — Chris Impey; **110**(752), 1252–1253

BL Lacertae Phenomenon — Aimo Sillanpää and Leo O. Takalo; **110**(752), 1254

Precise Stellar Radial Velocities — C. D. Scarfe and J. B. Hearnshaw; **110**(752), 1255

The 11th European Workshop on White Dwarfs — Edward M. Sion; **110**(752), 1256–1258

Quasars as Standard Candles for Cosmology — Joseph Wampler; **110**(753), 1373–1374

Star Formation in Early-Type Galaxies — Gustavo Bruzual; **110**(753), 1375–1376

New Views of the Magellanic Clouds: IAU Symposium 190 — Sidney van den Bergh; **110**(753), 1377–1378

Variable and Nonspherical Stellar Winds in Luminous Hot Stars: IAU Colloquium 169 — Alex Fullerton; **110**(753), 1379–1381

$\eta$ Carinae at the Millennium — Roberta M. Humphreys; **110**(753), 1382

The Annapolis Workshop on Magnetic Cataclysmic Variables — Brian Warner; **110**(753), 1383–1385

Catching the Perfect Wave: Adaptive Optics and Optical Interferometry in the Twenty-First Century — William Junor and Sergio Restaino; **110**(753), 1386–1388

High-Energy Processes in Accreting Black Holes — Andrew C. Fabian, Juri Poutanen, and Roland Svensson; **110**(754), 1511–1512

Solar and Stellar Activity: Similarities and Differences — C. J. Butler, J. G. Doyle, and M. E. Bailey; **110**(754), 1513–1514

The Stellar Content of Local Group Galaxies: IAU Symposium 192 — Chris Pritchet; **110**(754), 1515–1516

## Obituaries

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

Happy Islands: A Personal Remembrance of Gene Shoemaker — David H. Levy; **110**(746), 490–492

## Errata

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures: Erratum — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(751), 1118–1118

A Deep X-Ray Image of IC 2391: Errratum — Theodore Simon and Brian M. Patten; **110**(748), 761–761

# SUBJECT CLASSIFICATIONS

## Astrometry

Differential Atmospheric Refraction and Limitations on the Relative Astrometric Accuracy of Large Telescopes — Joseph Gubler and David Tytler; **110**(748), 738–746

Accurate Positions for MCG Galaxies — Harold G. Corwin, Jr., Igor Pesenson, Marion Schmitz, D.-C. Kim, Judy Bennett, Barry F. Madore, Joseph M. Mazzarella, and George Helou; **110**(749), 779–783

New Measurements of the Expansion of the Crab Nebula — Richard L. Nugent; **110**(749), 831–836

Digital Objective Prism Spectroscopy and Astrometry: Quantitative Methods and Application to High-Velocity Stars — Jurgen Stock, James A. Rose, and Rui J. Agostinho; **110**(754), 1434–1447

## Atlases

Radio Maps of QSOs in Clusters — J. B. Hutchings, A. Dewey, D. Chaytor, S. Ryneveld, A. C. Gower, and E. Ellingson; **110**(744), 111–124

A Stellar Spectral Flux Library: 1150–25000 Å — A. J. Pickles; **110**(749), 863–878

## Catalogs

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. I. Basic Rules and [Fe/H] Corrections — Benjamin J. Taylor; **110**(748), 699–707

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

## Cosmology: Dark Matter

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

## Cosmology: Gravitational Lensing

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

## Cosmology: Large-Scale Structure of Universe

Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489

Clustering of Galaxies in Pisces-Perseus: Structural Order and Spatial Correlations — Shirin Haque-Copilah; **110**(752), 1250

## Cosmology: Observations

Studies of Substructure in Galaxy Clusters: A Two-dimensional Analysis — Jeffrey R. Kriessler; **110**(743), 92

## Earth

Faint OH ($\nu' = 10$), $^{17}$OH, and $^{18}$OH Emission Lines in the Spectrum of the Night Airglow — Donald E. Osterbrock, Jon P. Fulbright, Philip C. Cosby, and Thomas A. Barlow; **110**(754), 1499–1510

## Galaxies: Abundances

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

## Galaxies: Active

*VRI* Photometry of Stars in the Fields of 16 Blazars — Massimo Fiorucci, Gino Tosti, and Nicola Rizzi; **110**(744), 105–110

The Compact Steep-Spectrum and Gigahertz Peaked-Spectrum Radio Sources — Christopher P. O'Dea; **110**(747), 493–532

On Uncertainties in Cross-Correlation Lags and the Reality of Wavelength-dependent Continuum Lags in Active Galactic Nuclei — Bradley M. Peterson, Ignaz Wanders, Keith Horne, Stefan Collier, Tal Alexander, Shai Kaspi, and Dan Maoz; **110**(748), 660–670

Multiwavelength Observations of Quasars and Their Environments — Eric J. Hooper; **110**(749), 879

Compact Nuclei in Galaxies at Moderate Redshift — Vicki Lynn Sarajedini; **110**(750), 999

## Galaxies: Clusters: General

Studies of Substructure in Galaxy Clusters: A Two-dimensional Analysis — Jeffrey R. Kriessler; **110**(743), 92

Radio Maps of QSOs in Clusters — J. B. Hutchings, A. Dewey, D. Chaytor, S. Ryneveld, A. C. Gower, and E. Ellingson; **110**(744), 111–124

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

Clustering of Galaxies in Pisces-Perseus: Structural Order and Spatial Correlations — Shirin Haque-Copilah; **110**(752), 1250

## Galaxies: Distances and Redshifts

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

## Galaxies: Elliptical and Lenticular, cD

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758

Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

## Galaxies: Evolution

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

Clustering of Galaxies in Pisces-Perseus: Structural Order and Spatial Correlations — Shirin Haque-Copilah; **110**(752), 1250

## Galaxies: Formation

Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

## Galaxies: Fundamental Parameters

Multiwavelength Observations of Quasars and Their Environments — Eric J. Hooper; **110**(749), 879

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

## Galaxies: General

An Extendable Galaxy Number Count Model — Jonathan P. Gardner; **110**(745), 291–305

Accurate Positions for MCG Galaxies — Harold G. Corwin, Jr., Igor Pesenson, Marion Schmitz, D.-C. Kim, Judy Bennett, Barry F. Madore, Joseph M. Mazzarella, and George Helou; **110**(749), 779–783

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

Options for Studying Star Formation at High Redshift — Mark R. Swain; **110**(750), 991–994

## Galaxies: Individual

### Messier Number: M31

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

### NGC Number: NGC 788

A Hidden Broad-Line Region in the Weak Seyfert 2 Galaxy NGC 788 — Laura E. Kay and Edward C. Moran; **110**(751), 1003–1006

### NGC Number: NGC 3115

Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758

## Galaxies: ISM

Molecular Hydrogen along Two Lines of Sight through the Large Magellanic Cloud — Kurt S. Gunderson, Geoffrey C. Clayton, and James C. Green; **110**(743), 60–67

## Galaxies: Jets

The Compact Steep-Spectrum and Gigahertz Peaked-Spectrum Radio Sources — Christopher P. O'Dea; **110**(747), 493–532

## Galaxies: BL Lacertae Objects: General

*VRI* Photometry of Stars in the Fields of 16 Blazars — Massimo Fiorucci, Gino Tosti, and Nicola Rizzi; **110**(744), 105–110

Photometric Calibration of Stars in the Fields of Selected BL Lacertae Objects and Quasars — Paul S. Smith and Thomas J. Balonek; **110**(752), 1164–1171

## Galaxies: Magellanic Clouds

Molecular Hydrogen along Two Lines of Sight through the Large Magellanic Cloud — Kurt S. Gunderson, Geoffrey C. Clayton, and James C. Green; **110**(743), 60–67

## Galaxies: Photometry

*VRI* Photometry of Stars in the Fields of 16 Blazars — Massimo Fiorucci, Gino Tosti, and Nicola Rizzi; **110**(744), 105–110

A Maximum Likelihood Method to Improve Faint-Source Flux and Color Estimates — David W. Hogg and Edwin L. Turner; **110**(748), 727–731

Photometric Calibration of Stars in the Fields of Selected BL Lacertae Objects and Quasars — Paul S. Smith and Thomas J. Balonek; **110**(752), 1164–1171

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

## Galaxies: Quasars: Emission Lines

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778

## Galaxies: Quasars: General

Radio Maps of QSOs in Clusters — J. B. Hutchings, A. Dewey, D. Chaytor, S. Ryneveld, A. C. Gower, and E. Ellingson; **110**(744), 111–124

The Discovery of a Low-Redshift, Red Quasar in the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, R. Cutri, C. J. Lonsdale, D. Kirkpatrick, H. E. Smith, and M. Skrutskie; **110**(746), 367–373

Resolution of a $z = 1$ QSO with Adaptive Optics — J. B. Hutchings, David Crampton, S. L. Morris, and E. Steinbring; **110**(746), 374–379

The Compact Steep-Spectrum and Gigahertz Peaked-Spectrum Radio Sources — Christopher P. O'Dea; **110**(747), 493–532

Multiwavelength Observations of Quasars and Their Environments — Eric J. Hooper; **110**(749), 879

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

Photometric Calibration of Stars in the Fields of Selected BL Lacertae Objects and Quasars — Paul S. Smith and Thomas J. Balonek; **110**(752), 1164–1171

## Galaxies: Quasars: Individual

### Alphanumeric: 1055.3+019

Resolution of a $z = 1$ QSO with Adaptive Optics — J. B. Hutchings, David Crampton, S. L. Morris, and E. Steinbring; **110**(746), 374–379

## Galaxies: Seyfert

On Uncertainties in Cross-Correlation Lags and the Reality of Wavelength-dependent Continuum Lags in Active Galactic Nuclei — Bradley M. Peterson, Ignaz Wanders, Keith Horne, Stefan Collier, Tal Alexander, Shai Kaspi, and Dan Maoz; **110**(748), 660–670

A Hidden Broad-Line Region in the Weak Seyfert 2 Galaxy NGC 788 — Laura E. Kay and Edward C. Moran; **110**(751), 1003–1006

## Galaxies: Starburst

The Supernova Rate in Starburst Galaxies — Michael W. Richmond, Alexei V. Filippenko, and John Galisky; **110**(747), 553–571

## Galaxies: Star Clusters

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

## Galaxies: Statistics

An Extendable Galaxy Number Count Model — Jonathan P. Gardner; **110**(745), 291–305

A Maximum Likelihood Method to Improve Faint-Source Flux and Color Estimates — David W. Hogg and Edwin L. Turner; **110**(748), 727–731

## Galaxies: Stellar Content

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

A Stellar Spectral Flux Library: 1150–25000 Å — A. J. Pickles; **110**(749), 863–878

Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

## Galaxy: Abundances

Homogeneous Photometry for Star Clusters and Resolved Galaxies. I. A Survey of Bright Stars in the Fornax Dwarf Spheroidal Galaxy — Peter B. Stetson, James E. Hesser, and Tammy A. Smecker-Hane; **110**(747), 533–552

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

## Galaxy: Center

Performance of the Canada-France-Hawaii Telescope Adaptive Optics Bonnette — F. Rigaut, D. Salmon, R. Arsenault, J. Thomas, O. Lai, D. Rouan, J. P. Véran, P. Gigan, David Crampton, J. M. Fletcher, J. Stilburn, C. Boyer, and P. Jagourel; **110**(744), 152–164

## Galaxy: Globular Clusters: General

The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758

## Galaxy: Globular Clusters: Individual

### Messier Number: M3

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

### Messier Number: M5

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

### Messier Number: M13

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

### Messier Number: M30

The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104

### Messier Number: M92

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

### NGC Number: NGC 6229

Metallicities of Two Distant Globular Clusters from Spectra of Moderate Dispersion — Stefanie Wachter, George Wallerstein, Jeffery A. Brown, and J. B. Oke; **110**(749), 821–826

### NGC Number: NGC 7006

Metallicities of Two Distant Globular Clusters from Spectra of Moderate Dispersion — Stefanie Wachter, George Wallerstein, Jeffery A. Brown, and J. B. Oke; **110**(749), 821–826

## Galaxy: Halo

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

Metallicities of Two Distant Globular Clusters from Spectra of Moderate Dispersion — Stefanie Wachter, George Wallerstein, Jeffery A. Brown, and J. B. Oke; **110**(749), 821–826

## Galaxy: Kinematics and Dynamics

Digital Objective Prism Spectroscopy and Astrometry: Quantitative Methods and Application to High-Velocity Stars — Jurgen Stock, James A. Rose, and Rui J. Agostinho; **110**(754), 1434–1447

## Galaxy: Open Clusters and Associations: General

Frequency of Binaries in the Open Cluster Trumpler 14 — Beatriz García, Stella Malaroda, Hugo Levato, Nidia Morrell, and Mónica Grosso; **110**(743), 53–59

## Galaxy: Open Clusters and Associations: Individual

### NGC Number: NGC 6791

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

### NGC Number: NGC 7789

The Open Cluster NGC 7789. I. Radial Velocities for Giant Stars — Munhwan Gim, James E. Hesser, Robert D. McClure, and Peter B. Stetson; **110**(752), 1172–1182

The Open Cluster NGC 7789. II. CCD *VI* Photometry — Munhwan Gim, Don A. VandenBerg, Peter B. Stetson, James E. Hesser, and David R. Zurek; **110**(753), 1318–1335

### Name: Collinder 419

A Long-Period Spectroscopic Binary in the O-Star Multiple System HD 193322 — W. P. McKibben, W. G. Bagnuolo, Jr., D. R. Gies, M. E. Hahula, W. I. Hartkopf, L. C. Roberts, Jr., C. T. Bolton, A. W. Fullerton, B. D. Mason, L. R. Penny, and M. L. Thaller; **110**(750), 900–905

### Name: Hyades

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

### Alphanumeric: IC 2391

A Deep X-Ray Image of IC 2391 — Theodore Simon and Brian M. Patten; **110**(745), 283–290

## Galaxy: Solar Neighborhood

White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251

Nearby Young Solar Analogs. I. Catalog and Stellar Characteristics — Eric J. Gaidos; **110**(753), 1259–1276

## Galaxy: Stellar Content

Observational Study of AGB Stars in the Outer Galactic Disk — Biwei Jiang; **110**(744), 214

## Galaxy: Structure

Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489

The δ Scuti Star GSC 2985-01044 — T. D. Kinman; **110**(753), 1277–1289

## Gamma Rays

Homogeneous Photometry for Star Clusters and Resolved Galaxies. I. A Survey of Bright Stars in the Fornax Dwarf Spheroidal Galaxy — Peter B. Stetson, James E. Hesser, and Tammy A. Smecker-Hane; **110**(747), 533–552

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

## Infrared Radiation

Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium — Robert D. Gehrz, James W. Truran, Robert E. Williams, and Sumner Starrfield; **110**(743), 3–26

Performance of the Canada-France-Hawaii Telescope Adaptive Optics Bonnette — F. Rigaut, D. Salmon, R. Arsenault, J. Thomas, O. Lai, D. Rouan, J. P. Véran, P. Gigan, David Crampton, J. M. Fletcher, J. Stilburn, C. Boyer, and P. Jagourel; **110**(744), 152–164

A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209

The Discovery of a Low-Redshift, Red Quasar in the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, R. Cutri, C. J. Lonsdale, D. Kirkpatrick, H. E. Smith, and M. Skrutskie; **110**(746), 367–373

Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

Differential Atmospheric Refraction and Limitations on the Relative Astrometric Accuracy of Large Telescopes — Joseph Gubler and David Tytler; **110**(748), 738–746

Mid-Infrared Sky Brightness Site Testing at the South Pole — Craig H. Smith and Doyal A. Harper; **110**(748), 747–753

Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249

An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341

## Infrared: General

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

SCORE: A Mid-Infrared Echelle Format Spectrograph with No Moving Parts — Jeffrey Van Cleve, G. E. Gull, S. A. Rinehart, J. D. Smith, J. C. Wilson, J. R. Houck, Mike Colonno, R. Brown, and W. Blalock; **110**(754), 1479–1486

## Infrared: Stars

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415

## Instrumentation: Adaptive Optics

Performance of the Canada-France-Hawaii Telescope Adaptive Optics Bonnette — F. Rigaut, D. Salmon, R. Arsenault, J. Thomas, O. Lai, D. Rouan, J. P. Véran, P. Gigan, David Crampton, J. M. Fletcher, J. Stilburn, C. Boyer, and P. Jagourel; **110**(744), 152–164

## Instrumentation: Detectors

A Versatile CCD Wave Front Curvature Sensor — G. S. Burley, G. A. H. Walker, and R. Johnson; **110**(745), 330–338

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

Location Estimators for Interferometric Fringes — M. Gai, S. Casertano, D. Carollo, and M. G. Lattanzi; **110**(749), 848–862

STIS Signal-to-Noise Capabilities in the Ultraviolet — Mary Elizabeth Kaiser, Ralph C. Bohlin, Don J. Lindler, Ronald L. Gilliland, Vic S. Argabright, and Randy A. Kimble; **110**(750), 978–990

Parallelism of a Fabry-Perot Cavity at Micron Spacings — D. Heath Jones and Joss Bland-Hawthorn; **110**(751), 1059–1066

Data Acquisition for a 16 CCD Drift-Scan Survey — C. N. Sabbey, P. Coppi, and A. Oemler; **110**(751), 1067–1080

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

## Instrumentation: Interferometers

Location Estimators for Interferometric Fringes — M. Gai, S. Casertano, D. Carollo, and M. G. Lattanzi; **110**(749), 848–862

Duplicity in *Hubble Space Telescope* Guide Stars: Fine Guidance Sensor Serendipitous Survey Results — Glenn Schneider, John L. Hershey, and Michael T. Wenz; **110**(751), 1012–1025

Parallelism of a Fabry-Perot Cavity at Micron Spacings — D. Heath Jones and Joss Bland-Hawthorn; **110**(751), 1059–1066

The Performance and Scientific Rationale for an Infrared Imaging Fourier Transform Spectrograph on a Large Space Telescope — James R. Graham, Mark Abrams, C. Bennett, J. Carr, K. Cook, A. Dey, J. Najita, and E. Wishnow; **110**(752), 1205–1215

## Instrumentation: Miscellaneous

Focusing on a Turbulent Layer: Principle of the "Generalized SCIDAR" — Alain Fuchs, Michel Tallon, and Jean Vernin; **110**(743), 86–91

Adaptive Optics Sky Coverage Calculations for the Gemini-North Telescope — B. L. Ellerbroek and D. W. Tyler; **110**(744), 165–185

The Useful Field of View of an Adaptive Optics System — Mark Chun; **110**(745), 317–329

Maximum Gain and Efficiency of Adaptive Optics Systems — François Roddier; **110**(749), 837–840

Characterization and Subtraction of Well-Exposed *HST*/NICMOS Camera 2 Point-Spread Functions for a Survey of Very Low Mass Companions to Nearby Stars — John E. Krist, David A. Golimowski, Daniel J. Schroeder, and Todd J. Henry; **110**(751), 1046–1058

A Curvature-compensated Corrector for Drift-Scan Observations — Paul Hickson and E. Harvey Richardson; **110**(751), 1081–1086

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

## Instrumentation: Photometers

VIRIS: A Visual-Infrared Imaging System for the Lick Observatory 1 Meter Telescope — James R. Graham, Lynne A. Hillenbrand, and Anthony A. Misch; **110**(748), 732–737

## Instrumentation: Polarimeters

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

## Instrumentation: Spectrographs

The Goddard High Resolution Spectrograph: Post-COSTAR Characteristics — R. D. Robinson, T. B. Ake, D. J. Lindler, S. R. Heap, K. G. Carpenter, D. S. Leckrone, S. P. Maran, A. M. Smith, J. C. Brandt, E. A. Beaver, A. Boggess, D. C. Ebbets, J. B. Hutchings, M. Jura, J. L. Linsky, B. D. Savage, L. M. Trafton, F. M. Walter, and R. J. Weymann; **110**(743), 68–78

The FAST Spectrograph for the Tillinghast Telescope — Daniel Fabricant, Peter Cheimets, Nelson Caldwell, and John Geary; **110**(743), 79–85

Antarctic Fiber Optic Spectrometer — Maxime Boccas, Michael C. B. Ashley, André Phillips, Anthony Schinckel, and John W. V. Storey; **110**(745), 306–316

Development of a Machine-cut Metal Grating for Near-Infrared Spectroscopy — Miwa Goto, Kentaro Motohara, Masatoshi Imanishi, Kouji Sugiyama, Kazuhisa Tomita, Fumihide Iwamuro, and Toshinori Maihara; **110**(749), 841–847

RVSAO 2.0: Digital Redshifts and Radial Velocities — Michael J. Kurtz and Douglas J. Mink; **110**(750), 934–977

The Space Telescope Imaging Spectrograph Design — B. E. Woodgate, R. A. Kimble, C. W. Bowers, S. Kraemer, M. E. Kaiser, A. C. Danks, J. F. Grady, J. J. Loiacono, M. Brumfield, L. Feinberg, T. R. Gull, S. R. Heap, S. P. Maran, D. Lindler, D. Hood, W. Meyer, C. VanHouten, V. Argabright, S. Franka, R. Bybee, D. Dorn, M. Bottema, R. Woodruff, D. Michika, J. Sullivan, J. Hetlinger, C. Ludtke, R. Stocker, A. Delamere, D. Rose, I. Becker, H. Garner, J. G. Timothy, M. Blouke, C. L. Joseph, G. Hartig, R. F. Green, E. B. Jenkins, J. L. Linsky, J. B. Hutchings, H. W. Moos, A. Boggess, F. Roesler, and D. Weistrop; **110**(752), 1183–1204

The Performance and Scientific Rationale for an Infrared Imaging Fourier Transform Spectrograph on a Large Space Telescope — James R. Graham, Mark Abrams, C. Bennett, J. Carr, K. Cook, A. Dey, J. Najita, and E. Wishnow; **110**(752), 1205–1215

Sampling and Background Subtraction in Fiber-Lenslet Integral Field Spectrographs — Jeremy Allington-Smith and Robert Content; **110**(752), 1216–1234

SCORE: A Mid-Infrared Echelle Format Spectrograph with No Moving Parts — Jeffrey Van Cleve, G. E. Gull, S. A. Rinehart, J. D. Smith, J. C. Wilson, J. R. Houck, Mike Colonno, R. Brown, and W. Blalock; **110**(754), 1479–1486

COSMIC: A Multiobject Spectrograph and Direct Imaging Camera for the 5 Meter Hale Telescope Prime Focus — W. Kells, A. Dressler, A. Sivaramakrishnan, D. Carr, E. Koch, H. Epps, D. Hilyard, and G. Pardeilhan; **110**(754), 1487–1498

## Interplanetary Medium

An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341

## ISM: Abundances

Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium — Robert D. Gehrz, James W. Truran, Robert E. Williams, and Sumner Starrfield; **110**(743), 3–26

The Optical Spectrum of the Planetary Nebula NGC 2440 — Siek Hyung and Lawrence H. Aller; **110**(746), 466–479

Homogeneous Photometry for Star Clusters and Resolved Galaxies. I. A Survey of Bright Stars in the Fornax Dwarf Spheroidal Galaxy — Peter B. Stetson, James E. Hesser, and Tammy A. Smecker-Hane; **110**(747), 533–552

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778

## ISM: Atoms

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778

## ISM: Bubbles

*EUVE* Pointed Observations of the $\beta$ Canis Majoris Interstellar Tunnel — B. Y. Welsh, J. V. Vallerga, and K. McDonald; **110**(749), 827–830

## ISM: Cosmic Rays

$10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151

## ISM: Dust, Extinction

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

## ISM: General

*EUVE* Pointed Observations of the $\beta$ Canis Majoris Interstellar Tunnel — B. Y. Welsh, J. V. Vallerga, and K. McDonald; **110**(749), 827–830

## ISM: H II Regions

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

## ISM: Individual

### Name: Crab Nebula

New Measurements of the Expansion of the Crab Nebula — Richard L. Nugent; **110**(749), 831–836

## ISM: Jets and Outflows

An *IUE* Spectroscopic Study of the Ultra–Short-Period Dwarf Nova T Leonis in Outburst — K. Belle, Q. Nguyen, D. Fabian, E. M. Sion, and M. Huang; **110**(743), 47–52

A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634

## ISM: Kinematics and Dynamics

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

## ISM: Magnetic Fields

$10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

## ISM: Molecules

Molecular Hydrogen along Two Lines of Sight through the Large Magellanic Cloud — Kurt S. Gunderson, Geoffrey C. Clayton, and James C. Green; **110**(743), 60–67

## ISM: Planetary Nebulae: General

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

Is the Galactic Halo Planetary Nebula PN G243−37.1 an "O VI Sequence" Variable Object? — Walter A. Feibelman; **110**(750), 923–933

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

## ISM: Planetary Nebulae: Individual

### NGC Number: NGC 2440

The Optical Spectrum of the Planetary Nebula NGC 2440 — Siek Hyung and Lawrence H. Aller; **110**(746), 466–479

### Alphanumeric: PC 11

New Spectroscopic Observations of the Planetary Nebula PC 11 — A. Gutiérrez-Moreno and H. Moreno; **110**(746), 458–465

### Alphanumeric: PN G243−37.1

Is the Galactic Halo Planetary Nebula PN G243−37.1 an "O VI Sequence" Variable Object? — Walter A. Feibelman; **110**(750), 923–933

## ISM: Supernova Remnants

$10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151

The V Sagittae Stars — J. E. Steiner and M. P. Diaz; **110**(745), 276–282

G247.8+4.9: A Newly Discovered Optical Supernova Remnant in Puppis — Ronald Weinberger, Akito Tajitsu, Shin'ichi Tamura, and Yasushi Yadoumaru; **110**(748), 722–726

New Measurements of the Expansion of the Crab Nebula — Richard L. Nugent; **110**(749), 831–836

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

## Methods: Analytical

Adaptive Optics Sky Coverage Calculations for the Gemini-North Telescope — B. L. Ellerbroek and D. W. Tyler; **110**(744), 165–185

A Technique for Photometric Detection and Measurement of Unresolved Binary Systems — Paul Hickson; **110**(744), 186–192

The Effects of Digitization on Nonstationary Stochastic Signals with Applications to Pulsar Signal Baseband Recording — F. A. Jenet and S. B. Anderson; **110**(754), 1467–1478

## Methods: Data Analysis

Automatic Noise Estimation from the Multiresolution Support — Jean-Luc Starck and Fionn Murtagh; **110**(744), 193–199

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633

On Uncertainties in Cross-Correlation Lags and the Reality of Wavelength-dependent Continuum Lags in Active Galactic Nuclei — Bradley M. Peterson, Ignaz Wanders, Keith Horne, Stefan Collier, Tal Alexander, Shai Kaspi, and Dan Maoz; **110**(748), 660–670

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. I. Basic Rules and [Fe/H] Corrections — Benjamin J. Taylor; **110**(748), 699–707

Location Estimators for Interferometric Fringes — M. Gai, S. Casertano, D. Carollo, and M. G. Lattanzi; **110**(749), 848–862

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

RVSAO 2.0: Digital Redshifts and Radial Velocities — Michael J. Kurtz and Douglas J. Mink; **110**(750), 934–977

Data Acquisition for a 16 CCD Drift-Scan Survey — C. N. Sabbey, P. Coppi, and A. Oemler; **110**(751), 1067–1080

CCD Photometry of the High-Amplitude δ Scuti Stars V798 Cygni and V831 Tauri — F. Musazzi, E. Poretti, S. Covino, and A. Arellano Ferro; **110**(752), 1156–1163

Self-consistent Photometric Calibration of a Mosaic Survey with Overlaps — Daniel M. Koranyi, Jan Kleyna, and Norman A. Grogin; **110**(754), 1464–1466

The Effects of Digitization on Nonstationary Stochastic Signals with Applications to Pulsar Signal Baseband Recording — F. A. Jenet and S. B. Anderson; **110**(754), 1467–1478

## Methods: Miscellaneous

The Astronomer's Telegram: A Web-based Short-Notice Publication System for the Professional Astronomical Community — Robert E. Rutledge; **110**(748), 754–756

## Methods: Numerical

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778

## Methods: Observational

A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633

Scintillation in Optical Stellar Interferometry — W. J. Tango; **110**(750), 995–998

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

Effects of Telluric Water Vapor on Airborne Infrared Observations — Edwin F. Erickson; **110**(751), 1098–1105

Turbulence Profiles with Generalized Scidar at San Pedro Mártir Observatory and Isoplanatism Studies — Remy Avila, Jean Vernin, and Salvador Cuevas; **110**(751), 1106–1116

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

Self-consistent Photometric Calibration of a Mosaic Survey with Overlaps — Daniel M. Koranyi, Jan Kleyna, and Norman A. Grogin; **110**(754), 1464–1466

COSMIC: A Multiobject Spectrograph and Direct Imaging Camera for the 5 Meter Hale Telescope Prime Focus — W. Kells, A. Dressler,

A. Sivaramakrishnan, D. Carr, E. Koch, H. Epps, D. Hilyard, and G. Pardeilhan; **110**(754), 1487–1498

## Methods: Statistical

Automatic Noise Estimation from the Multiresolution Support — Jean-Luc Starck and Fionn Murtagh; **110**(744), 193–199

A Maximum Likelihood Method to Improve Faint-Source Flux and Color Estimates — David W. Hogg and Edwin L. Turner; **110**(748), 727–731

Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001

## Minor Planets, Asteroids

Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

## Physical Data and Processes

CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778

Faint OH ($\nu' = 10$), $^{17}$OH, and $^{18}$OH Emission Lines in the Spectrum of the Night Airglow — Donald E. Osterbrock, Jon P. Fulbright, Philip C. Cosby, and Thomas A. Barlow; **110**(754), 1499–1510

## Polarization

Some Low-Polarization B Stars — A. J. Weitenbeck and R. Schulte-Ladbeck; **110**(750), 917–918

A Hidden Broad-Line Region in the Weak Seyfert 2 Galaxy NGC 788 — Laura E. Kay and Edward C. Moran; **110**(751), 1003–1006

## Radio Continuum

Radio Maps of QSOs in Clusters — J. B. Hutchings, A. Dewey, D. Chaytor, S. Ryneveld, A. C. Gower, and E. Ellingson; **110**(744), 111–124

VLA Observations of Radio Variability of ER Vulpeculae in 1995 — Slavek M. Rucinski; **110**(745), 272–275

## Site Testing

Focusing on a Turbulent Layer: Principle of the "Generalized SCIDAR" — Alain Fuchs, Michel Tallon, and Jean Vernin; **110**(743), 86–91

A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209

A High-Altitude Site Survey for SOFIA — Michael R. Haas and Leonhard Pfister; **110**(745), 339–364

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633

Mid-Infrared Sky Brightness Site Testing at the South Pole — Craig H. Smith and Doyal A. Harper; **110**(748), 747–753

Effects of Telluric Water Vapor on Airborne Infrared Observations — Edwin F. Erickson; **110**(751), 1098–1105

Turbulence Profiles with Generalized Scidar at San Pedro Mártir Observatory and Isoplanatism Studies — Remy Avila, Jean Vernin, and Salvador Cuevas; **110**(751), 1106–1116

## Sociology of Astronomy

Is the Astronomical Literature Still Expanding Exponentially? — Helmut A. Abt; **110**(744), 210–213

Astrophysics in 1997 — Virginia Trimble and Lucy-Ann McFadden; **110**(745), 223–267

## Stars: Abundances

Homogeneous Photometry for Star Clusters and Resolved Galaxies. I. A Survey of Bright Stars in the Fornax Dwarf Spheroidal Galaxy — Peter B. Stetson, James E. Hesser, and Tammy A. Smecker-Hane; **110**(747), 533–552

Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

Metallicities of Two Distant Globular Clusters from Spectra of Moderate Dispersion — Stefanie Wachter, George Wallerstein, Jeffery A. Brown, and J. B. Oke; **110**(749), 821–826

Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

## Stars: Activity

VLA Observations of Radio Variability of ER Vulpeculae in 1995 — Slavek M. Rucinski; **110**(745), 272–275

Nearby Young Solar Analogs. I. Catalog and Stellar Characteristics — Eric J. Gaidos; **110**(753), 1259–1276

## Stars: AGB and Post-AGB

Observational Study of AGB Stars in the Outer Galactic Disk — Biwei Jiang; **110**(744), 214

*IRAS* Detections of Metal-poor Red Giants — Graeme H. Smith; **110**(752), 1119–1131

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

Pulsation Modes in Small-Amplitude Red Variable Stars — John R. Percy and Michael Parkes; **110**(754), 1431–1433

## Stars: Atmospheres

Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803

Some Low-Polarization B Stars — A. J. Weitenbeck and R. Schulte-Ladbeck; **110**(750), 917–918

## Stars: Binaries: Close

V Crateris: Photometric Elements — M. B. K. Sarma and P. Vivekananda Rao; **110**(744), 93–97

A Technique for Photometric Detection and Measurement of Unresolved Binary Systems — Paul Hickson; **110**(744), 186–192

VLA Observations of Radio Variability of ER Vulpeculae in 1995 — Slavek M. Rucinski; **110**(745), 272–275

Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395

Polarimetry of the LMC X-Ray Binary A0538−66 during an "On/Off" Transition in 1991 — K. A. Misselt, Geoffrey C. Clayton, and R. E. Schulte-Ladbeck; **110**(746), 396–402

Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414

Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419

The Phase 0.5 Absorption in SW Sextantis–Type Cataclysmic Variables — Coel Hellier; **110**(746), 420–424

Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636

Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911

The Reaction of Low-Mass Stars to Anisotropic Irradiation and Its Implications for the Secular Evolution of Cataclysmic Variables — Zhongyong Zhang; **110**(750), 1000

Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star — David R. Ciardi, Steve B. Howell, V. S. Dhillon, R. Mark Wagner, Peter H. Hauschildt, and France Allard; **110**(751), 1007–1011

Superhumps in Cataclysmic Binaries. XIV. V592 Cassiopeiae — Cynthia J. Taylor, John R. Thorstensen, Joseph Patterson, Robert E. Fried, Tonny Vanmunster, David A. Harvey, David R. Skillman, Lasse Jensen, and Sergei Shugarov; **110**(752), 1148–1155

Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

Spectroscopy of the Cataclysmic Binaries CY Lyrae, TW Trianguli, and VW Vulpeculae — John R. Thorstensen, Cynthia J. Taylor, and Jonathan Kemp; **110**(754), 1405–1411

## Stars: Binaries: Eclipsing

V Crateris: Photometric Elements — M. B. K. Sarma and P. Vivekananda Rao; **110**(744), 93–97

V380 Cygni Once More: A Close Detached Binary with an Evolved B-Type Component. I. Spectroscopic Orbits — Daniel M. Popper and Edward F. Guinan; **110**(747), 572–579

*Hipparcos* Parallaxes of Eclipsing Binaries and the Radiative Flux Scale — Daniel M. Popper; **110**(750), 919–922

## Stars: Binaries: General

*Hubble Space Telescope*/Faint Object Spectrograph Imaging of Wolf 424 AB: Is This Binary a Double Brown Dwarf System? — A. B. Schultz, H. M. Hart, J. L. Hershey, F. C. Hamilton, M. Kochte, F. C. Bruhweiler, G. F. Benedict, John Caldwell, C. Cunningham, O. G. Franz, C. D. Keyes, and J. C. Brandt; **110**(743), 31–38

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251

## Stars: Binaries: Spectroscopic

Frequency of Binaries in the Open Cluster Trumpler 14 — Beatriz García, Stella Malaroda, Hugo Levato, Nidia Morrell, and Mónica Grosso; **110**(743), 53–59

V380 Cygni Once More: A Close Detached Binary with an Evolved B-Type Component. I. Spectroscopic Orbits — Daniel M. Popper and Edward F. Guinan; **110**(747), 572–579

Concerning the Reported Phase-modulated Changes in the Spectrum of 41 Sextantis — Thaddeus F. Worek; **110**(747), 580–585

Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636

A Long-Period Spectroscopic Binary in the O-Star Multiple System HD 193322 — W. P. McKibben, W. G. Bagnuolo, Jr., D. R. Gies, M. E. Hahula, W. I. Hartkopf, L. C. Roberts, Jr., C. T. Bolton, A. W. Fullerton, B. D. Mason, L. R. Penny, and M. L. Thaller; **110**(750), 900–905

The Open Cluster NGC 7789. I. Radial Velocities for Giant Stars — Munhwan Gim, James E. Hesser, Robert D. McClure, and Peter B. Stetson; **110**(752), 1172–1182

Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314

Spectroscopy of the Cataclysmic Binaries CY Lyrae, TW Trianguli, and VW Vulpeculae — John R. Thorstensen, Cynthia J. Taylor, and Jonathan Kemp; **110**(754), 1405–1411

The Wolf-Rayet Binary WR 141 (WN5o + O5 V–III) Revisited — Sergey V. Marchenko, Anthony F. J. Moffat, and Philippe R. J. Eenens; **110**(754), 1416–1422

## Stars: Binaries: Visual

Separate Spectra of the Components of the Low-Mass Binaries Ross 614A,B and L722−22A,B — Don R. Chance and John L. Hershey; **110**(746), 425–432

A Long-Period Spectroscopic Binary in the O-Star Multiple System HD 193322 — W. P. McKibben, W. G. Bagnuolo, Jr., D. R. Gies, M. E. Hahula, W. I. Hartkopf, L. C. Roberts, Jr., C. T. Bolton, A. W. Fullerton, B. D. Mason, L. R. Penny, and M. L. Thaller; **110**(750), 900–905

Duplicity in *Hubble Space Telescope* Guide Stars: Fine Guidance Sensor Serendipitous Survey Results — Glenn Schneider, John L. Hershey, and Michael T. Wenz; **110**(751), 1012–1025

## Stars: Carbon

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415

## Stars: Chemically Peculiar

Objective-Prism Spectral Classifications of 26 Northern Stars — William P. Bidelman; **110**(745), 270–271

Concerning the Reported Phase-modulated Changes in the Spectrum of 41 Sextantis — Thaddeus F. Worek; **110**(747), 580–585

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and $\alpha$ Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415

## Stars: Chromospheres

Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803

## Stars: Circumstellar Matter

Observational Study of AGB Stars in the Outer Galactic Disk — Biwei Jiang; **110**(744), 214

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

*IRAS* Detections of Metal-poor Red Giants — Graeme H. Smith; **110**(752), 1119–1131

An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341

A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415

## Stars: Coronae

VLA Observations of Radio Variability of ER Vulpeculae in 1995 — Slavek M. Rucinski; **110**(745), 272–275

A Deep X-Ray Image of IC 2391 — Theodore Simon and Brian M. Patten; **110**(745), 283–290

## Stars: Distances

Objective-Prism Spectral Classifications of Northern Proper-Motion Stars — Alice L. Loth and William P. Bidelman; **110**(745), 268–269

Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803

Spectroscopy of the Cataclysmic Binaries CY Lyrae, TW Trianguli, and VW Vulpeculae — John R. Thorstensen, Cynthia J. Taylor, and Jonathan Kemp; **110**(754), 1405–1411

## Stars: Early-Type

*BVR* Photometry of Northern Galactic Plane Luminous Stars — B. Cameron Reed, Patrick M. Carmody, and David H. Landy; **110**(743), 27–30

A Finding List of Faint UV-bright Stars in the Galactic Plane. IV. — Howard H. Lanning and Michael Meakes; **110**(747), 586–609

Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636

Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

H$\alpha$ Emission Stars in the Case-Hamburg Luminous Stars Surveys — B. Cameron Reed; **110**(754), 1423–1427

## Stars: Emission-Line, Be

*BVR* Photometry of Northern Galactic Plane Luminous Stars — B. Cameron Reed, Patrick M. Carmody, and David H. Landy; **110**(743), 27–30

A Finding List of Faint UV-bright Stars in the Galactic Plane. IV. — Howard H. Lanning and Michael Meakes; **110**(747), 586–609

High State of H$\alpha$ Emission Activity of the Herbig Be Star HD 200775 — Anatoly S. Miroshnichenko, Christopher L. Mulliss, Karen S. Bjorkman, Nancy D. Morrison, Yuri V. Glagolevskij, and Georgij A. Chountonov; **110**(750), 883–887

H$\alpha$ Emission Stars in the Case-Hamburg Luminous Stars Surveys — B. Cameron Reed; **110**(754), 1423–1427

## Stars: Evolution

The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104

The Reaction of Low-Mass Stars to Anisotropic Irradiation and Its Implications for the Secular Evolution of Cataclysmic Variables — Zhongyong Zhang; **110**(750), 1000

Late Evolution of Cataclysmic Variables — Joseph Patterson; **110**(752), 1132–1147

The Open Cluster NGC 7789. II. CCD *VI* Photometry — Munhwan Gim, Don A. VandenBerg, Peter B. Stetson, James E. Hesser, and David R. Zurek; **110**(753), 1318–1335

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

## Stars: Formation

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

Options for Studying Star Formation at High Redshift — Mark R. Swain; **110**(750), 991–994

## Stars: Fundamental Parameters

Objective-Prism Spectral Classifications of Northern Proper-Motion Stars — Alice L. Loth and William P. Bidelman; **110**(745), 268–269

Objective-Prism Spectral Classifications of 26 Northern Stars — William P. Bidelman; **110**(745), 270–271

Studies of Large-Amplitude $\delta$ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

*Hipparcos* Parallaxes of Eclipsing Binaries and the Radiative Flux Scale — Daniel M. Popper; **110**(750), 919–922

Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045

## Stars: General

A Stellar Spectral Flux Library: 1150–25000 Å — A. J. Pickles; **110**(749), 863–878

## Stars: Horizontal-Branch

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

## Stars: Imaging

Characterization and Subtraction of Well-Exposed *HST*/NICMOS Camera 2 Point-Spread Functions for a Survey of Very Low Mass Companions to Nearby Stars — John E. Krist, David A. Golimowski, Daniel J. Schroeder, and Todd J. Henry; **110**(751), 1046–1058

## Stars: Individual

### Constellation Name: RX Andromedae

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

### Constellation Name: FO Aquarii

Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419

### Constellation Name: XY Aquarii

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

### Constellation Name: 36 Aurigae

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and $\alpha$ Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

### Constellation Name: $\alpha$ Bootis

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

### Constellation Name: RU Camelopardalis

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

### Constellation Name: Z Camelopardalis

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

### Constellation Name: 53 Camelopardalis

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

### Constellation Name: $\alpha$ Cancri

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and $\alpha$ Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

### Constellation Name: EG Cancri

Superhumps in Cataclysmic Binaries. XV. EG Cancri, King of the Echo Outbursts — Joseph Patterson, Jonathan Kemp, David R. Skillman, David A. Harvey, Allen W. Shafter, Tonny Vanmunster, Lasse Jensen, Robert Fried, Seiichiro Kiyota, John R. Thorstensen, and Cynthia J. Taylor; **110**(753), 1290–1303

### Constellation Name: SY Cancri

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

### Constellation Name: $\gamma$ Cassiopeiae

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

### Constellation Name: V592 Cassiopeiae

Time-resolved Photometry and Spectroscopy of the Cataclysmic Variable V592 Cassiopeiae — Mark E. Huber, Steve B. Howell, David R. Ciardi, and Robert Fried; **110**(749), 784–793

### Constellation Name: RX Cephei

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

### Constellation Name: V Crateris

V Crateris: Photometric Elements — M. B. K. Sarma and P. Vivekananda Rao; **110**(744), 93–97

### Constellation Name: $\beta$ Geminorum

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

### Constellation Name: AH Herculis

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

**Constellation Name: DY Herculis**

Studies of Large-Amplitude δ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

**Constellation Name: AB Leonis**

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

**Constellation Name: T Leonis**

An *IUE* Spectroscopic Study of the Ultra–Short-Period Dwarf Nova T Leonis in Outburst — K. Belle, Q. Nguyen, D. Fabian, E. M. Sion, and M. Huang; **110**(743), 47–52

**Constellation Name: ST Leonis Minoris**

Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star — David R. Ciardi, Steve B. Howell, V. S. Dhillon, R. Mark Wagner, Peter H. Hauschildt, and France Allard; **110**(751), 1007–1011

**Constellation Name: EH Librae**

Studies of Large-Amplitude δ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

**Constellation Name: BR Lupi**

BR Lupi: Evidence for a High-Inclination SU Ursae Majoris Starwith Orbital Period 1.91 Hours — R. E. Mennickent and C. Sterken; **110**(751), 1032–1039

**Constellation Name: V2116 Ophiuchi**

A Technique for Narrowband Time Series Photometry: The X-Ray Star V2116 Ophiuchi — Eric W. Deutsch, Bruce Margon, and Joss Bland-Hawthorn; **110**(750), 912–916

**Constellation Name: $\theta^1$ Orionis C**

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

**Constellation Name: V1162 Orionis**

Photometric Studies of δ Scuti Stars. I. IP Virginis — Michael D. Joner, Eric G. Hintz, and Matthew W. Collier; **110**(746), 451–457

Photometric Studies of δ Scuti Stars. II. V1162 Orionis — Eric G. Hintz, Michael D. Joner, and Chulhee Kim; **110**(748), 689–698

**Constellation Name: DY Pegasi**

Studies of Large-Amplitude δ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

**Constellation Name: HX Pegasi**

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

**Constellation Name: Phoenix 1**

Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911

**Constellation Name: CP Puppis**

Superhumps in Cataclysmic Binaries. XIII. CP Puppis — Joseph Patterson and Brian Warner; **110**(751), 1026–1031

**Constellation Name: T Pyxidis**

Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395

**Constellation Name: V Sagittae**

Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395

**Constellation Name: WZ Sagittae**

Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414

**Constellation Name: Sculptor 2**

Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911

**Constellation Name: 41 Sextantis**

Concerning the Reported Phase-modulated Changes in the Spectrum of 41 Sextantis — Thaddeus F. Worek; **110**(747), 580–585

**Constellation Name: VW Tucanae**

Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911

**Constellation Name: SV Ursae Majoris**

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

**Constellation Name: $\gamma^2$ Velorum**

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

**Constellation Name: ϵ Virginis**

Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721

**Constellation Name: HS Virginis**

The 1996 Superoutburst of the New SU UMa–Type Dwarf Nova HS Virginis — Taichi Kato, Daisaku Nogami, Seiji Masuda, and Hajime Baba; **110**(754), 1400–1404

**Bright Star Number: HR 1297**

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and α Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

**Bright Star Number: HR 1576**

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and α Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

**Bright Star Number: HR 2722**

*uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and α Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309

**Henry Draper Number: HD 49798**

Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

**Henry Draper Number: HD 187123**

A Planet with a 3.1 Day Period around a Solar Twin — R. Paul Butler, Geoffrey W. Marcy, Steven S. Vogt, and Kevin Apps; **110**(754), 1389–1393

**Henry Draper Number: HD 193322AB**

A Long-Period Spectroscopic Binary in the O-Star Multiple System HD 193322 — W. P. McKibben, W. G. Bagnuolo, Jr., D. R. Gies, M. E. Hahula, W. I. Hartkopf, L. C. Roberts, Jr., C. T. Bolton, A. W. Fullerton, B. D. Mason, L. R. Penny, and M. L. Thaller; **110**(750), 900–905

**Henry Draper Number: HD 200775**

High State of Hα Emission Activity of the Herbig Be Star HD 200775 — Anatoly S. Miroshnichenko, Christopher L. Mulliss, Karen S. Bjorkman, Nancy D. Morrison, Yuri V. Glagolevskij, and Georgij A. Chountonov; **110**(750), 883–887

**Henry Draper Number: HDE 245770**

Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314

**Name: Wolf 424**

*Hubble Space Telescope*/Faint Object Spectrograph Imaging of Wolf 424 AB: Is This Binary a Double Brown Dwarf System? — A. B. Schultz, H. M. Hart, J. L. Hershey, F. C. Hamilton, M. Kochte, F. C. Bruhweiler, G. F. Benedict, John Caldwell, C. Cunningham, O. G. Franz, C. D. Keyes, and J. C. Brandt; **110**(743), 31–38

**Alphanumeric: A0535+26**

Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314

**Alphanumeric: A0538−66**

Polarimetry of the LMC X-Ray Binary A0538−66 during an "On/Off" Transition in 1991 — K. A. Misselt, Geoffrey C. Clayton, and R. E. Schulte-Ladbeck; **110**(746), 396–402

**Alphanumeric: EUVE J0425.6−5714**

EUVE J0425.6−5714: A Newly Discovered AM Herculis Star — J. P. Halpern, K. M. Leighly, H. L. Marshall, M. Eracleous, and T. Storchi-Bergmann; **110**(754), 1394–1399

**Alphanumeric: LMC 1990 No. 1**

Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881

**Alphanumeric: LS I +55°8**

Time-resolved Photometry and Spectroscopy of the Cataclysmic Variable V592 Cassiopeiae — Mark E. Huber, Steve B. Howell, David R. Ciardi, and Robert Fried; **110**(749), 784–793

**Alphanumeric: 4U 0614+091**

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

**Alphanumeric: WR 141**

The Wolf-Rayet Binary WR 141 (WN5o + O5 V–III) Revisited — Sergey V. Marchenko, Anthony F. J. Moffat, and Philippe R. J. Eenens; **110**(754), 1416–1422

## Stars: Kinematics

Digital Objective Prism Spectroscopy and Astrometry: Quantitative Methods and Application to High-Velocity Stars — Jurgen Stock, James A. Rose, and Rui J. Agostinho; **110**(754), 1434–1447

## Stars: Late-Type

Objective-Prism Spectral Classifications of Northern Proper-Motion Stars — Alice L. Loth and William P. Bidelman; **110**(745), 268–269

A Deep X-Ray Image of IC 2391 — Theodore Simon and Brian M. Patten; **110**(745), 283–290

Separate Spectra of the Components of the Low-Mass Binaries Ross 614A,B and L722−22A,B — Don R. Chance and John L. Hershey; **110**(746), 425–432

Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803

Nearby Young Solar Analogs. I. Catalog and Stellar Characteristics — Eric J. Gaidos; **110**(753), 1259–1276

Pulsation Modes in Small-Amplitude Red Variable Stars — John R. Percy and Michael Parkes; **110**(754), 1431–1433

## Stars: Low-Mass, Brown Dwarfs

*Hubble Space Telescope*/Faint Object Spectrograph Imaging of Wolf 424 AB: Is This Binary a Double Brown Dwarf System? — A. B. Schultz, H. M. Hart, J. L. Hershey, F. C. Hamilton, M. Kochte, F. C. Bruhweiler, G. F. Benedict, John Caldwell, C. Cunningham, O. G. Franz, C. D. Keyes, and J. C. Brandt; **110**(743), 31–38

Separate Spectra of the Components of the Low-Mass Binaries Ross 614A,B and L722−22A,B — Don R. Chance and John L. Hershey; **110**(746), 425–432

Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

Characterization and Subtraction of Well-Exposed *HST*/NICMOS Camera 2 Point-Spread Functions for a Survey of Very Low Mass Companions to Nearby Stars — John E. Krist, David A. Golimowski, Daniel J. Schroeder, and Todd J. Henry; **110**(751), 1046–1058

## Stars: Luminosity Function, Mass Function

The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104

Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251

## Stars: Magnetic Fields

Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419

## Stars: Mass Loss

Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636

*IRAS* Detections of Metal-poor Red Giants — Graeme H. Smith; **110**(752), 1119–1131

## Stars: Neutron

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

A Technique for Narrowband Time Series Photometry: The X-Ray Star V2116 Ophiuchi — Eric W. Deutsch, Bruce Margon, and Joss Bland-Hawthorn; **110**(750), 912–916

## Stars: Novae, Cataclysmic Variables

Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium — Robert D. Gehrz, James W. Truran, Robert E. Williams, and Sumner Starrfield; **110**(743), 3–26

Rotationally Broadened Synthetic Spectra for *HST* and *IUE* Observations of Exposed White Dwarfs in Cataclysmic Variables — Quyen Nguyen, Dirk Fabian, Kunegunda Belle, M. Huang, and E. M. Sion; **110**(743), 39–46

An *IUE* Spectroscopic Study of the Ultra–Short-Period Dwarf Nova T Leonis in Outburst — K. Belle, Q. Nguyen, D. Fabian, E. M. Sion, and M. Huang; **110**(743), 47–52

Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395

Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414

Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419

The Phase 0.5 Absorption in SW Sextantis–Type Cataclysmic Variables — Coel Hellier; **110**(746), 420–424

Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688

Time-resolved Photometry and Spectroscopy of the Cataclysmic Variable V592 Cassiopeiae — Mark E. Huber, Steve B. Howell, David R. Ciardi, and Robert Fried; **110**(749), 784–793

Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881

Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911

The Reaction of Low-Mass Stars to Anisotropic Irradiation and Its Implications for the Secular Evolution of Cataclysmic Variables — Zhongyong Zhang; **110**(750), 1000

Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star — David R. Ciardi, Steve B. Howell, V. S. Dhillon, R. Mark Wagner, Peter H. Hauschildt, and France Allard; **110**(751), 1007–1011

Superhumps in Cataclysmic Binaries. XIII. CP Puppis — Joseph Patterson and Brian Warner; **110**(751), 1026–1031

BR Lupi: Evidence for a High-Inclination SU Ursae Majoris Starwith Orbital Period 1.91 Hours — R. E. Mennickent and C. Sterken; **110**(751), 1032–1039

Late Evolution of Cataclysmic Variables — Joseph Patterson; **110**(752), 1132–1147

Superhumps in Cataclysmic Binaries. XIV. V592 Cassiopeiae — Cynthia J. Taylor, John R. Thorstensen, Joseph Patterson, Robert E. Fried, Tonny Vanmunster, David A. Harvey, David R. Skillman, Lasse Jensen, and Sergei Shugarov; **110**(752), 1148–1155

Superhumps in Cataclysmic Binaries. XV. EG Cancri, King of the Echo Outbursts — Joseph Patterson, Jonathan Kemp, David R. Skillman, David A. Harvey, Allen W. Shafter, Tonny Vanmunster, Lasse Jensen, Robert Fried, Seiichiro Kiyota, John R. Thorstensen, and Cynthia J. Taylor; **110**(753), 1290–1303

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

EUVE J0425.6−5714: A Newly Discovered AM Herculis Star — J. P. Halpern, K. M. Leighly, H. L. Marshall, M. Eracleous, and T. Storchi-Bergmann; **110**(754), 1394–1399

The 1996 Superoutburst of the New SU UMa–Type Dwarf Nova HS Virginis — Taichi Kato, Daisaku Nogami, Seiji Masuda, and Hajime Baba; **110**(754), 1400–1404

Spectroscopy of the Cataclysmic Binaries CY Lyrae, TW Trianguli, and VW Vulpeculae — John R. Thorstensen, Cynthia J. Taylor, and Jonathan Kemp; **110**(754), 1405–1411

## Stars: Oscillations

Photometric Studies of δ Scuti Stars. I. IP Virginis — Michael D. Joner, Eric G. Hintz, and Matthew W. Collier; **110**(746), 451–457

Photometric Studies of δ Scuti Stars. II. V1162 Orionis — Eric G. Hintz, Michael D. Joner, and Chulhee Kim; **110**(748), 689–698

CCD Photometry of the High-Amplitude δ Scuti Stars V798 Cygni and V831 Tauri — F. Musazzi, E. Poretti, S. Covino, and A. Arellano Ferro; **110**(752), 1156–1163

Pulsation Modes in Small-Amplitude Red Variable Stars — John R. Percy and Michael Parkes; **110**(754), 1431–1433

## Stars: Peculiar

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

## Stars: Planetary Systems

Differential Atmospheric Refraction and Limitations on the Relative Astrometric Accuracy of Large Telescopes — Joseph Gubler and David Tytler; **110**(748), 738–746

Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757

Nearby Young Solar Analogs. I. Catalog and Stellar Characteristics — Eric J. Gaidos; **110**(753), 1259–1276

An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341

A Planet with a 3.1 Day Period around a Solar Twin — R. Paul Butler, Geoffrey W. Marcy, Steven S. Vogt, and Kevin Apps; **110**(754), 1389–1393

## Stars: Population II

Studies of Large-Amplitude δ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759

Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

*IRAS* Detections of Metal-poor Red Giants — Graeme H. Smith; **110**(752), 1119–1131

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

## Stars: Pre–Main-Sequence

VIRIS: A Visual-Infrared Imaging System for the Lick Observatory 1 Meter Telescope — James R. Graham, Lynne A. Hillenbrand, and Anthony A. Misch; **110**(748), 732–737

High State of Hα Emission Activity of the Herbig Be Star HD 200775 — Anatoly S. Miroshnichenko, Christopher L. Mulliss, Karen S. Bjorkman, Nancy D. Morrison, Yuri V. Glagolevskij, and Georgij A. Chountonov; **110**(750), 883–887

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

## Stars: Pulsars: General

The Effects of Digitization on Nonstationary Stochastic Signals with Applications to Pulsar Signal Baseband Recording — F. A. Jenet and S. B. Anderson; **110**(754), 1467–1478

## Stars: Rotation

Rotationally Broadened Synthetic Spectra for *HST* and *IUE* Observations of Exposed White Dwarfs in Cataclysmic Variables — Quyen Nguyen, Dirk Fabian, Kunegunda Belle, M. Huang, and E. M. Sion; **110**(743), 39–46

The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104

## Stars: Statistics

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

## Stars: Subdwarfs

Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

## Stars: Supergiants

*BVR* Photometry of Northern Galactic Plane Luminous Stars — B. Cameron Reed, Patrick M. Carmody, and David H. Landy; **110**(743), 27–30

## Stars: Supernovae: General

$10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151

The Supernova Rate in Starburst Galaxies — Michael W. Richmond, Alexei V. Filippenko, and John Galisky; **110**(747), 553–571

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

## Stars: Supernovae: Individual

### Alphanumeric: SN 1987A

$10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151

Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

## Stars: Variables: General

The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675

## Stars: Variables: Cepheids

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430

## Stars: Variables: RR Lyrae Variable

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

## Stars: Variables: δ Scuti

Studies of Large-Amplitude δ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450

Photometric Studies of δ Scuti Stars. I. IP Virginis — Michael D. Joner, Eric G. Hintz, and Matthew W. Collier; **110**(746), 451–457

Photometric Studies of δ Scuti Stars. II. V1162 Orionis — Eric G. Hintz, Michael D. Joner, and Chulhee Kim; **110**(748), 689–698

Search for Low–Instability Strip Variables in the Young Open Cluster NGC 2516 — F. M. Zerbi, L. Mantegazza, S. Campana, and E. Antonello; **110**(749), 804–809

CCD Photometry of the High-Amplitude δ Scuti Stars V798 Cygni and V831 Tauri — F. Musazzi, E. Poretti, S. Covino, and A. Arellano Ferro; **110**(752), 1156–1163

The δ Scuti Star GSC 2985-01044 — T. D. Kinman; **110**(753), 1277–1289

## Stars: Variables: Other

Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414

Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419

Search for Low–Instability Strip Variables in the Young Open Cluster NGC 2516 — F. M. Zerbi, L. Mantegazza, S. Campana, and E. Antonello; **110**(749), 804–809

Superhumps in Cataclysmic Binaries. XIV. V592 Cassiopeiae — Cynthia J. Taylor, John R. Thorstensen, Joseph Patterson, Robert E. Fried, Tonny Vanmunster, David A. Harvey, David R. Skillman, Lasse Jensen, and Sergei Shugarov; **110**(752), 1148–1155

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

Pulsation Modes in Small-Amplitude Red Variable Stars — John R. Percy and Michael Parkes; **110**(754), 1431–1433

## Stars: White Dwarfs

Rotationally Broadened Synthetic Spectra for *HST* and *IUE* Observations of Exposed White Dwarfs in Cataclysmic Variables — Quyen Nguyen, Dirk Fabian, Kunegunda Belle, M. Huang, and E. M. Sion; **110**(743), 39–46

A Technique for Photometric Detection and Measurement of Unresolved Binary Systems — Paul Hickson; **110**(744), 186–192

A Finding List of Faint UV-bright Stars in the Galactic Plane. IV. — Howard H. Lanning and Michael Meakes; **110**(747), 586–609

White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251

The 1996 Superoutburst of the New SU UMa–Type Dwarf Nova HS Virginis — Taichi Kato, Daisaku Nogami, Seiji Masuda, and Hajime Baba; **110**(754), 1400–1404

## Stars: Wolf-Rayet

The Wolf-Rayet Binary WR 141 (WN5o + O5 V–III) Revisited — Sergey V. Marchenko, Anthony F. J. Moffat, and Philippe R. J. Eenens; **110**(754), 1416–1422

## Surveys

An Extendable Galaxy Number Count Model — Jonathan P. Gardner; **110**(745), 291–305

An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880

A Curvature-compensated Corrector for Drift-Scan Observations — Paul Hickson and E. Harvey Richardson; **110**(751), 1081–1086

## Techniques: Image Processing

Automatic Noise Estimation from the Multiresolution Support — Jean-Luc Starck and Fionn Murtagh; **110**(744), 193–199

New Measurements of the Expansion of the Crab Nebula — Richard L. Nugent; **110**(749), 831–836

Location Estimators for Interferometric Fringes — M. Gai, S. Casertano, D. Carollo, and M. G. Lattanzi; **110**(749), 848–862

Characterization and Subtraction of Well-Exposed *HST*/NICMOS Camera 2 Point-Spread Functions for a Survey of Very Low Mass Companions to Nearby Stars — John E. Krist, David A. Golimowski, Daniel J. Schroeder, and Todd J. Henry; **110**(751), 1046–1058

Data Acquisition for a 16 CCD Drift-Scan Survey — C. N. Sabbey, P. Coppi, and A. Oemler; **110**(751), 1067–1080

Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097

Turbulence Profiles with Generalized Scidar at San Pedro Mártir Observatory and Isoplanatism Studies — Remy Avila, Jean Vernin, and Salvador Cuevas; **110**(751), 1106–1116

An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341

## Techniques: Interferometric

Differential Atmospheric Refraction and Limitations on the Relative Astrometric Accuracy of Large Telescopes — Joseph Gubler and David Tytler; **110**(748), 738–746

Scintillation in Optical Stellar Interferometry — W. J. Tango; **110**(750), 995–998

The Performance and Scientific Rationale for an Infrared Imaging Fourier Transform Spectrograph on a Large Space Telescope — James R. Graham, Mark Abrams, C. Bennett, J. Carr, K. Cook, A. Dey, J. Najita, and E. Wishnow; **110**(752), 1205–1215

## Techniques: Photometric

A Technique for Photometric Detection and Measurement of Unresolved Binary Systems — Paul Hickson; **110**(744), 186–192

A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633

A Maximum Likelihood Method to Improve Faint-Source Flux and Color Estimates — David W. Hogg and Edwin L. Turner; **110**(748), 727–731

VIRIS: A Visual-Infrared Imaging System for the Lick Observatory 1 Meter Telescope — James R. Graham, Lynne A. Hillenbrand, and Anthony A. Misch; **110**(748), 732–737

A Technique for Narrowband Time Series Photometry: The X-Ray Star V2116 Ophiuchi — Eric W. Deutsch, Bruce Margon, and Joss Bland-Hawthorn; **110**(750), 912–916

Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001

Scintillation Reduction Method for Photometric Measurements — P. Ryan and D. Sandler; **110**(752), 1235–1248

The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355

On the Photometric Consequences of Charge-Transfer Inefficiency in WFPC2 — Peter B. Stetson; **110**(754), 1448–1463

## Techniques: Polarimetric

The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

## Techniques: Radial Velocities

Frequency of Binaries in the Open Cluster Trumpler 14 — Beatriz García, Stella Malaroda, Hugo Levato, Nidia Morrell, and Mónica Grosso; **110**(743), 53–59

RVSAO 2.0: Digital Redshifts and Radial Velocities — Michael J. Kurtz and Douglas J. Mink; **110**(750), 934–977

The Open Cluster NGC 7789. I. Radial Velocities for Giant Stars — Munhwan Gim, James E. Hesser, Robert D. McClure, and Peter B. Stetson; **110**(752), 1172–1182

Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314

Digital Objective Prism Spectroscopy and Astrometry: Quantitative Methods and Application to High-Velocity Stars — Jurgen Stock, James A. Rose, and Rui J. Agostinho; **110**(754), 1434–1447

## Techniques: Spectroscopic

The V Sagittae Stars — J. E. Steiner and M. P. Diaz; **110**(745), 276–282

G247.8+4.9: A Newly Discovered Optical Supernova Remnant in Puppis — Ronald Weinberger, Akito Tajitsu, Shin'ichi Tamura, and Yasushi Yadoumaru; **110**(748), 722–726

The Performance and Scientific Rationale for an Infrared Imaging Fourier Transform Spectrograph on a Large Space Telescope — James R. Graham, Mark Abrams, C. Bennett, J. Carr, K. Cook, A. Dey, J. Najita, and E. Wishnow; **110**(752), 1205–1215

Sampling and Background Subtraction in Fiber-Lenslet Integral Field Spectrographs — Jeremy Allington-Smith and Robert Content; **110**(752), 1216–1234

## Telescopes

The Goddard High Resolution Spectrograph: Post-COSTAR Characteristics — R. D. Robinson, T. B. Ake, D. J. Lindler, S. R. Heap, K. G. Carpenter, D. S. Leckrone, S. P. Maran, A. M. Smith, J. C. Brandt, E. A. Beaver, A. Boggess, D. C. Ebbets, J. B. Hutchings, M. Jura, J. L. Linsky, B. D. Savage, L. M. Trafton, F. M. Walter, and R. J. Weymann; **110**(743), 68–78

Adaptive Optics Sky Coverage Calculations for the Gemini-North Telescope — B. L. Ellerbroek and D. W. Tyler; **110**(744), 165–185

A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209

Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633

VIRIS: A Visual-Infrared Imaging System for the Lick Observatory 1 Meter Telescope — James R. Graham, Lynne A. Hillenbrand, and Anthony A. Misch; **110**(748), 732–737

A Curvature-compensated Corrector for Drift-Scan Observations — Paul Hickson and E. Harvey Richardson; **110**(751), 1081–1086

## Ultraviolet Emission

An *IUE* Spectroscopic Study of the Ultra–Short-Period Dwarf Nova T Leonis in Outburst — K. Belle, Q. Nguyen, D. Fabian, E. M. Sion, and M. Huang; **110**(743), 47–52

Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222

Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881

Is the Galactic Halo Planetary Nebula PN G243−37.1 an "O VI Sequence" Variable Object? — Walter A. Feibelman; **110**(750), 923–933

STIS Signal-to-Noise Capabilities in the Ultraviolet — Mary Elizabeth Kaiser, Ralph C. Bohlin, Don J. Lindler, Ronald L. Gilliland, Vic S. Argabright, and Randy A. Kimble; **110**(750), 978–990

Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370

## Ultraviolet: Stars

A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415

## X-Rays

A Deep X-Ray Image of IC 2391 — Theodore Simon and Brian M. Patten; **110**(745), 283–290

Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395

Polarimetry of the LMC X-Ray Binary A0538−66 during an "On/Off" Transition in 1991 — K. A. Misselt, Geoffrey C. Clayton, and R. E. Schulte-Ladbeck; **110**(746), 396–402

Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414

Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635

A Technique for Narrowband Time Series Photometry: The X-Ray Star V2116 Ophiuchi — Eric W. Deutsch, Bruce Margon, and Joss Bland-Hawthorn; **110**(750), 912–916

Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314

Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

EUVE J0425.6−5714: A Newly Discovered AM Herculis Star — J. P. Halpern, K. M. Leighly, H. L. Marshall, M. Eracleous, and T. Storchi-Bergmann; **110**(754), 1394–1399

# Author Index to Volume 110 (1998)


## A

**Abrams, Mark** — *see Graham, James R.*, **110**(752), 1205–1215
**Abt, Helmut A.** — Is the Astronomical Literature Still Expanding Exponentially? — Helmut A. Abt; **110**(744), 210–213
**Adelman, Saul J.** — *uvby* Photometry of the Magnetic Chemically Peculiar Stars HR 1297, 36 Aurigae, and HR 2722 and the Nonmagnetic Chemically Peculiar Stars HR 1576 and $\alpha$ Cancri — Saul J. Adelman and Eric F. Brunhouse; **110**(753), 1304–1309
**Agostinho, Rui J.** — *see Stock, Jurgen*, **110**(754), 1434–1447
**Ake, T. B.** — *see Robinson, R. D.*, **110**(743), 68–78
**Alexander, Tal** — *see Peterson, Bradley M.*, **110**(748), 660–670
**Allard, France** — *see Ciardi, David R.*, **110**(751), 1007–1011
**Aller, Lawrence H.** — *see Hyung, Siek*, **110**(746), 466–479
**Allington-Smith, Jeremy** — Sampling and Background Subtraction in Fiber-Lenslet Integral Field Spectrographs — Jeremy Allington-Smith and Robert Content; **110**(752), 1216–1234
**Anderson, S. B.** — *see Jenet, F. A.*, **110**(754), 1467–1478
**Antonello, E.** — *see Zerbi, F. M.*, **110**(749), 804–809
**Apps, Kevin** — *see Butler, R. Paul*, **110**(754), 1389–1393
**Argabright, V.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Argabright, Vic S.** — *see Kaiser, Mary Elizabeth*, **110**(750), 978–990
**Arsenault, R.** — *see Rigaut, F.*, **110**(744), 152–164
**Ashley, Michael C. B.** — *see Boccas, Maxime*, **110**(745), 306–316
**Avila, Remy** — Turbulence Profiles with Generalized Scidar at San Pedro Mártir Observatory and Isoplanatism Studies — Remy Avila, Jean Vernin, and Salvador Cuevas; **110**(751), 1106–1116
**Ayres, T. R.** — *see Brunner, Andrew R.*, **110**(754), 1412–1415

## B

**Baba, Hajime** — *see Kato, Taichi*, **110**(754), 1400–1404
**Bagnuolo, W. G., Jr.** — *see McKibben, W. P.*, **110**(750), 900–905
**Bailey, M. E.** — *see Butler, C. J.*, **110**(754), 1513–1514
**Balonek, Thomas J.** — *see Smith, Paul S.*, **110**(752), 1164–1171
**Barlow, Thomas A.** — *see Osterbrock, Donald E.*, **110**(754), 1499–1510
**Bastien, Pierre** — *see Eversberg, Thomas*, **110**(753), 1356–1369
**Beaver, E. A.** — *see Robinson, R. D.*, **110**(743), 68–78
**Becker, I.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Beichman, C. A.** — The Discovery of a Low-Redshift, Red Quasar in the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, R. Cutri, C. J. Lonsdale, D. Kirkpatrick, H. E. Smith, and M. Skrutskie; **110**(746), 367–373
— Characteristics of the 2MASS Prototype Survey — C. A. Beichman, T. J. Chester, M. Skrutskie, F. J. Low, and F. Gillett; **110**(746), 480–489
**Belle, K.** — An *IUE* Spectroscopic Study of the Ultra–Short-Period Dwarf Nova T Leonis in Outburst — K. Belle, Q. Nguyen, D. Fabian, E. M. Sion, and M. Huang; **110**(743), 47–52
**Belle, Kunegunda** — *see Nguyen, Quyen*, **110**(743), 39–46
**Benedict, G. F.** — *see Schultz, A. B.*, **110**(743), 31–38
**Bennett, C.** — *see Graham, James R.*, **110**(752), 1205–1215
**Bennett, Judy** — *see Corwin, Harold G., Jr.*, **110**(749), 779–783
**Beuzit, J. L.** — *see Lacombe, F.*, **110**(751), 1087–1097
**Bidelman, William P.** — *see Loth, Alice L.*, **110**(745), 268–269
— Objective-Prism Spectral Classifications of 26 Northern Stars — William P. Bidelman; **110**(745), 270–271
**Bjorkman, Karen S.** — *see Miroshnichenko, Anatoly S.*, **110**(750), 883–887
**Blakeslee, John P.** — The Globular Cluster Luminosity Functions of Brightest Cluster Galaxies — John P. Blakeslee; **110**(745), 365
**Blalock, W.** — *see Van Cleve, Jeffrey*, **110**(754), 1479–1486
**Bland-Hawthorn, Joss** — *see Deutsch, Eric W.*, **110**(750), 912–916
— *see Heath Jones, D.*, **110**(751), 1059–1066
**Blouke, M.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Boccas, Maxime** — Antarctic Fiber Optic Spectrometer — Maxime Boccas, Michael C. B. Ashley, André Phillips, Anthony Schinckel, and John W. V. Storey; **110**(745), 306–316
**Boggess, A.** — *see Robinson, R. D.*, **110**(743), 68–78
— *see Woodgate, B. E.*, **110**(752), 1183–1204
**Bohlin, Ralph C.** — *see Kaiser, Mary Elizabeth*, **110**(750), 978–990
**Bolton, C. T.** — *see McKibben, W. P.*, **110**(750), 900–905
**Bonaccini, D.** — *see Lacombe, F.*, **110**(751), 1087–1097
**Borkowski, Kazimierz J.** — *see Jones, T. W.*, **110**(744), 125–151
**Bottema, M.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Bottorff, Mark** — Luminosity Indicators in Dusty Photoionized Environments — Mark Bottorff, Joseph LaMothe, Emmanuel Momjian, Ekaterina Verner, Dejan Vinković, and Gary Ferland; **110**(751), 1040–1045
**Bowers, C. W.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Boyer, C.** — *see Rigaut, F.*, **110**(744), 152–164
**Brandt, J. C.** — *see Schultz, A. B.*, **110**(743), 31–38
— *see Robinson, R. D.*, **110**(743), 68–78
**Brown, Jeffery A.** — *see Wachter, Stefanie*, **110**(749), 821–826
**Brown, Michael E.** — *see Kuchner, Marc J.*, **110**(753), 1336–1341
**Brown, R.** — *see Van Cleve, Jeffrey*, **110**(754), 1479–1486
**Bruhweiler, F. C.** — *see Schultz, A. B.*, **110**(743), 31–38
**Brumfield, M.** — *see Woodgate, B. E.*, **110**(752), 1183–1204
**Brunhouse, Eric F.** — *see Adelman, Saul J.*, **110**(753), 1304–1309
**Brunner, Andrew R.** — A Search for an Emission-Line Region in the Hydrogen-deficient Carbon Star HD 182040 — Andrew R. Brunner, Geoffrey C. Clayton, and T. R. Ayres; **110**(754), 1412–1415
**Bruzual, Gustavo** — Star Formation in Early-Type Galaxies — Gustavo Bruzual; **110**(753), 1375–1376
**Buckley, David A. H.** — *see Patterson, Joseph*, **110**(746), 415–419
**Burley, G. S.** — A Versatile CCD Wave Front Curvature Sensor — G. S. Burley, G. A. H. Walker, and R. Johnson; **110**(745), 330–338
**Butler, C. J.** — Solar and Stellar Activity: Similarities and Differences — C. J. Butler, J. G. Doyle, and M. E. Bailey; **110**(754), 1513–1514
**Butler, R. Paul** — A Planet with a 3.1 Day Period around a Solar Twin — R. Paul Butler, Geoffrey W. Marcy, Steven S. Vogt, and Kevin Apps; **110**(754), 1389–1393
**Bybee, R.** — *see Woodgate, B. E.*, **110**(752), 1183–1204

## C

**Caldwell, John** — *see Schultz, A. B.*, **110**(743), 31–38
**Caldwell, Nelson** — *see Fabricant, Daniel*, **110**(743), 79–85
**Campana, S.** — *see Zerbi, F. M.*, **110**(749), 804–809
**Carmody, Patrick M.** — *see Reed, B. Cameron*, **110**(743), 27–30
**Carollo, D.** — *see Gai, M.*, **110**(749), 848–862
**Carpenter, K. G.** — *see Robinson, R. D.*, **110**(743), 68–78
**Carr, D.** — *see Kells, W.*, **110**(754), 1487–1498
**Carr, J.** — *see Graham, James R.*, **110**(752), 1205–1215
**Casertano, S.** — *see Gai, M.*, **110**(749), 848–862
**Chance, Don R.** — Separate Spectra of the Components of the Low-Mass Binaries Ross 614A,B and L722−22A,B — Don R. Chance and John L. Hershey; **110**(746), 425–432
**Chaytor, D.** — *see Hutchings, J. B.*, **110**(744), 111–124
**Cheimets, Peter** — *see Fabricant, Daniel*, **110**(743), 79–85
**Chesneau, Olivier** — *see Eversberg, Thomas*, **110**(753), 1356–1369
**Chester, T. J.** — *see Beichman, C. A.*, **110**(746), 367–373
— *see Beichman, C. A.*, **110**(746), 480–489
**Chiboucas, Kristin** — *see von Braun, Kaspar*, **110**(749), 810–820
**Chountonov, Georgij A.** — *see Miroshnichenko, Anatoly S.*, **110**(750), 883–887
**Chun, Mark** — The Useful Field of View of an Adaptive Optics System — Mark Chun; **110**(745), 317–329
**Ciardi, David R.** — *see Huber, Mark E.*, **110**(749), 784–793

— Observations of the Polar ST Leonis Minoris during an Extreme Low State: Identification of the Secondary Star — David R. Ciardi, Steve B. Howell, V. S. Dhillon, R. Mark Wagner, Peter H. Hauschildt, and France Allard; **110**(751), 1007–1011
**Clayton, Geoffrey C.** — *see Gunderson, Kurt S.,* **110**(743), 60–67
— *see Misselt, K. A.,* **110**(746), 396–402
— *see Brunner, Andrew R.,* **110**(754), 1412–1415
**Collier, Matthew W.** — *see Joner, Michael D.,* **110**(746), 451–457
**Collier, Stefan** — *see Peterson, Bradley M.,* **110**(748), 660–670
**Colonno, Mike** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Colwell, William B.** — Venus Lyα: A Morphological and Radiative Transfer Analysis — William B. Colwell; **110**(753), 1372
**Content, Robert** — *see Allington-Smith, Jeremy,* **110**(752), 1216–1234
**Cook, K.** — *see Graham, James R.,* **110**(752), 1205–1215
**Coppi, P.** — *see Sabbey, C. N.,* **110**(751), 1067–1080
**Corwin, Harold G., Jr.** — Accurate Positions for MCG Galaxies — Harold G. Corwin, Jr., Igor Pesenson, Marion Schmitz, D.-C. Kim, Judy Bennett, Barry F. Madore, Joseph M. Mazzarella, and George Helou; **110**(749), 779–783
**Cosby, Philip C.** — *see Osterbrock, Donald E.,* **110**(754), 1499–1510
**Covino, S.** — *see Musazzi, F.,* **110**(752), 1156–1163
**Cowley, Anne** — Editorial — Anne Cowley and David Hartwick; **110**(743), 1
**Crampton, David** — *see Rigaut, F.,* **110**(744), 152–164
— *see Hutchings, J. B.,* **110**(746), 374–379
**Cuevas, Salvador** — *see Avila, Remy,* **110**(751), 1106–1116
**Cunningham, C.** — *see Schultz, A. B.,* **110**(743), 31–38
**Cutri, R.** — *see Beichman, C. A.,* **110**(746), 367–373

## D

**Danks, A. C.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**D'Cruz, Noella L.** — Variation of Hot Horizontal-Branch Populations with Metallicity — Noella L. D'Cruz; **110**(753), 1370
**Debruyne, Michael** — *see Eversberg, Thomas,* **110**(753), 1356–1369
**de la Fuente Marcos, Raúl** — Dynamical Evolution of Open Star Clusters — Raúl de la Fuente Marcos; **110**(751), 1117
**Delamere, A.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**De Propris, Roberto** — *see VandenBerg, Don A.,* **110**(744), 98–104
**Deutsch, Eric W.** — A Technique for Narrowband Time Series Photometry: The X-Ray Star V2116 Ophiuchi — Eric W. Deutsch, Bruce Margon, and Joss Bland-Hawthorn; **110**(750), 912–916
**Dewey, A.** — *see Hutchings, J. B.,* **110**(744), 111–124
**Dey, A.** — *see Graham, James R.,* **110**(752), 1205–1215
**Dhillon, V. S.** — *see Ciardi, David R.,* **110**(751), 1007–1011
**Diaz, M. P.** — *see Steiner, J. E.,* **110**(745), 276–282
**Diehl, Roland** — Gamma-Ray Line Emission from Radioactive Isotopes in Stars and Galaxies — Roland Diehl and F. X. Timmes; **110**(748), 637–659
**Dominik, Martin** — Galactic Microlensing beyond the Standard Model — Martin Dominik; **110**(748), 757
**Dorn, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Doyle, J. G.** — *see Butler, C. J.,* **110**(754), 1513–1514
**Dravins, Dainis** — Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(747), 610–633
— Atmospheric Intensity Scintillation of Stars. III. Effects for Different Telescope Apertures: Erratum — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **110**(751), 1118–1118
**Dressler, A.** — *see Kells, W.,* **110**(754), 1487–1498
**Dubner, Gloria** — *see Jones, T. W.,* **110**(744), 125–151
**Dwarkadas, Vikram V.** — Supernovae and Stellar Wind Interaction with the Ambient Medium — Vikram V. Dwarkadas; **110**(749), 882

## E

**Ebbets, D. C.** — *see Robinson, R. D.,* **110**(743), 68–78
**Eenens, Philippe R. J.** — *see Marchenko, Sergey V.,* **110**(754), 1416–1422
**Ellerbroek, B. L.** — Adaptive Optics Sky Coverage Calculations for the Gemini-North Telescope — B. L. Ellerbroek and D. W. Tyler; **110**(744), 165–185
**Ellingson, E.** — *see Hutchings, J. B.,* **110**(744), 111–124
**Epps, H.** — *see Kells, W.,* **110**(754), 1487–1498
**Eracleous, M.** — *see Halpern, J. P.,* **110**(754), 1394–1399
**Erickson, Edwin F.** — Effects of Telluric Water Vapor on Airborne Infrared Observations — Edwin F. Erickson; **110**(751), 1098–1105
**Eversberg, Thomas** — The William-Wehlau Spectropolarimeter: Observing Hot Stars in All Four Stokes Parameters — Thomas Eversberg, Anthony F. J. Moffat, Michael Debruyne, John B. Rice, Nikolai Piskunov, Pierre Bastien, William H. Wehlau, and Olivier Chesneau; **110**(753), 1356–1369

## F

**Fabian, Andrew C.** — High-Energy Processes in Accreting Black Holes — Andrew C. Fabian, Juri Poutanen, and Roland Svensson; **110**(754), 1511–1512
**Fabian, D.** — *see Belle, K.,* **110**(743), 47–52
**Fabian, Dirk** — *see Nguyen, Quyen,* **110**(743), 39–46
**Fabricant, Daniel** — The FAST Spectrograph for the Tillinghast Telescope — Daniel Fabricant, Peter Cheimets, Nelson Caldwell, and John Geary; **110**(743), 79–85
**Feautrier, P.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Feibelman, Walter A.** — Is the Galactic Halo Planetary Nebula PN G243−37.1 an "O VI Sequence" Variable Object? — Walter A. Feibelman; **110**(750), 923–933
**Feinberg, L.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Ferguson, J. W.** — *see Ferland, G. J.,* **110**(749), 761–778
**Ferland, G. J.** — CLOUDY 90: Numerical Simulation of Plasmas and Their Spectra — G. J. Ferland, K. T. Korista, D. A. Verner, J. W. Ferguson, J. B. Kingdon, and E. M. Verner; **110**(749), 761–778
**Ferland, Gary** — *see Bottorff, Mark,* **110**(751), 1040–1045
**Ferro, A. Arellano** — *see Musazzi, F.,* **110**(752), 1156–1163
**Field, George B.** — Lyman Spitzer, Jr. (1914–1997) — George B. Field; **110**(745), 215–222
**Filippenko, Alexei V.** — *see Richmond, Michael W.,* **110**(747), 553–571
**Fiorucci, Massimo** — *VRI* Photometry of Stars in the Fields of 16 Blazars — Massimo Fiorucci, Gino Tosti, and Nicola Rizzi; **110**(744), 105–110
**Fletcher, J. M.** — *see Rigaut, F.,* **110**(744), 152–164
**Ford, Eric C.** — Fast X-Ray Oscillations: Probes of an Accreting Neutron Star — Eric C. Ford; **110**(747), 635
**Frail, Dale A.** — *see Jones, T. W.,* **110**(744), 125–151
**Franka, S.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Franz, O. G.** — *see Schultz, A. B.,* **110**(743), 31–38
**Fried, Robert** — *see Huber, Mark E.,* **110**(749), 784–793
— *see Patterson, Joseph,* **110**(753), 1290–1303
**Fried, Robert E.** — *see Taylor, Cynthia J.,* **110**(752), 1148–1155
**Frogel, Jay A.** — A History of Infrared Extinction at CTIO, Chile, and a Possible Connection with the El Niño Phenomenon — Jay A. Frogel; **110**(744), 200–209
**Fry, D. J. I.** — *see Wilson, W. J. F.,* **110**(746), 433–450
**Fuchs, Alain** — Focusing on a Turbulent Layer: Principle of the "Generalized SCIDAR" — Alain Fuchs, Michel Tallon, and Jean Vernin; **110**(743), 86–91
**Fulbright, Jon P.** — *see Osterbrock, Donald E.,* **110**(754), 1499–1510
**Fullerton, A. W.** — *see McKibben, W. P.,* **110**(750), 900–905
**Fullerton, Alex** — Variable and Nonspherical Stellar Winds in Luminous Hot Stars: IAU Colloquium 169 — Alex Fullerton; **110**(753), 1379–1381

## G

**Gai, M.** — Location Estimators for Interferometric Fringes — M. Gai, S. Casertano, D. Carollo, and M. G. Lattanzi; **110**(749), 848–862
**Gaidos, Eric J.** — Nearby Young Solar Analogs. I. Catalog and Stellar Characteristics — Eric J. Gaidos; **110**(753), 1259–1276
**Galisky, John** — *see Richmond, Michael W.,* **110**(747), 553–571
**García, Beatriz** — Frequency of Binaries in the Open Cluster Trumpler 14 — Beatriz García, Stella Malaroda, Hugo Levato, Nidia Morrell, and Mónica Grosso; **110**(743), 53–59
**Gardner, Jonathan P.** — An Extendable Galaxy Number Count Model — Jonathan P. Gardner; **110**(745), 291–305
**Garner, H.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Garrison, R. F.** — Spectroscopic Monitoring of HD 49798: A Hot Subdwarf with an X-Ray Pulsating Companion — R. F. Garrison; **110**(753), 1315–1317

**Geary, John** — *see Fabricant, Daniel,* **110**(743), 79–85
**Gehrz, Robert D.** — Nucleosynthesis in Classical Novae and Its Contribution to the Interstellar Medium — Robert D. Gehrz, James W. Truran, Robert E. Williams, and Sumner Starrfield; **110**(743), 3–26
**Geoffray, H.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Gies, D. R.** — *see McKibben, W. P.,* **110**(750), 900–905
— *see Wang, Z. X.,* **110**(753), 1310–1314
**Gigan, P.** — *see Rigaut, F.,* **110**(744), 152–164
— *see Lacombe, F.,* **110**(751), 1087–1097
**Gillett, F.** — *see Beichman, C. A.,* **110**(746), 480–489
**Gilliland, Ronald L.** — *see Kaiser, Mary Elizabeth,* **110**(750), 978–990
**Gim, Munhwan** — The Open Cluster NGC 7789. I. Radial Velocities for Giant Stars — Munhwan Gim, James E. Hesser, Robert D. McClure, and Peter B. Stetson; **110**(752), 1172–1182
— The Open Cluster NGC 7789. II. CCD *VI* Photometry — Munhwan Gim, Don A. VandenBerg, Peter B. Stetson, James E. Hesser, and David R. Zurek; **110**(753), 1318–1335
**Giridhar, Sunetra** — The Chemical Compositions of the SRd Variable Stars. I. XY Aquarii, RX Cephei, AB Leonis, and SV Ursae Majoris — Sunetra Giridhar, David L. Lambert, and Guillermo Gonzalez; **110**(748), 671–675
**Glagolevskij, Yuri V.** — *see Miroshnichenko, Anatoly S.,* **110**(750), 883–887
**Golimowski, David A.** — *see Krist, John E.,* **110**(751), 1046–1058
**Gonzalez, Guillermo** — *see Giridhar, Sunetra,* **110**(748), 671–675
**Goto, Miwa** — Development of a Machine-cut Metal Grating for Near-Infrared Spectroscopy — Miwa Goto, Kentaro Motohara, Masatoshi Imanishi, Kouji Sugiyama, Kazuhisa Tomita, Fumihide Iwamuro, and Toshinori Maihara; **110**(749), 841–847
**Gower, A. C.** — *see Hutchings, J. B.,* **110**(744), 111–124
**Grady, J. F.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Graham, James R.** — VIRIS: A Visual-Infrared Imaging System for the Lick Observatory 1 Meter Telescope — James R. Graham, Lynne A. Hillenbrand, and Anthony A. Misch; **110**(748), 732–737
— The Performance and Scientific Rationale for an Infrared Imaging Fourier Transform Spectrograph on a Large Space Telescope — James R. Graham, Mark Abrams, C. Bennett, J. Carr, K. Cook, A. Dey, J. Najita, and E. Wishnow; **110**(752), 1205–1215
**Green, James C.** — *see Gunderson, Kurt S.,* **110**(743), 60–67
**Green, R. F.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Grogin, Norman A.** — *see Koranyi, Daniel M.,* **110**(754), 1464–1466
**Grosso, Mónica** — *see García, Beatriz,* **110**(743), 53–59
**Gubler, Joseph** — Differential Atmospheric Refraction and Limitations on the Relative Astrometric Accuracy of Large Telescopes — Joseph Gubler and David Tytler; **110**(748), 738–746
**Guinan, Edward F.** — *see Popper, Daniel M.,* **110**(747), 572–579
**Gull, G. E.** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Gull, T. R.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Gunderson, Kurt S.** — Molecular Hydrogen along Two Lines of Sight through the Large Magellanic Cloud — Kurt S. Gunderson, Geoffrey C. Clayton, and James C. Green; **110**(743), 60–67
**Gunn, Jerry** — *see Patterson, Joseph,* **110**(746), 380–395
**Gutiérrez-Moreno, A.** — New Spectroscopic Observations of the Planetary Nebula PC 11 — A. Gutiérrez-Moreno and H. Moreno; **110**(746), 458–465

## H

**Haas, Michael R.** — A High-Altitude Site Survey for SOFIA — Michael R. Haas and Leonhard Pfister; **110**(745), 339–364
**Hahula, M. E.** — *see McKibben, W. P.,* **110**(750), 900–905
**Hale, Jonathan** — *see Percy, John R.,* **110**(754), 1428–1430
**Hall, Patrick Brian** — An Optical/Near-Infrared Study of Quasar Environments — Patrick Brian Hall; **110**(749), 880
**Halpern, J. P.** — EUVE J0425.6−5714: A Newly Discovered AM Herculis Star — J. P. Halpern, K. M. Leighly, H. L. Marshall, M. Eracleous, and T. Storchi-Bergmann; **110**(754), 1394–1399
**Hamilton, F. C.** — *see Schultz, A. B.,* **110**(743), 31–38
**Haque-Copilah, Shirin** — Clustering of Galaxies in Pisces-Perseus: Structural Order and Spatial Correlations — Shirin Haque-Copilah; **110**(752), 1250
**Harper, Doyal A.** — *see Smith, Craig H.,* **110**(748), 747–753
**Hart, H. M.** — *see Schultz, A. B.,* **110**(743), 31–38
**Hartig, G.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Hartkopf, W. I.** — *see McKibben, W. P.,* **110**(750), 900–905
**Hartwick, David** — *see Cowley, Anne,* **110**(743), 1
**Harvey, David A.** — *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
**Hauschildt, Peter H.** — *see Ciardi, David R.,* **110**(751), 1007–1011
**Heap, S. R.** — *see Robinson, R. D.,* **110**(743), 68–78
— *see Woodgate, B. E.,* **110**(752), 1183–1204
**Hearnshaw, J. B.** — *see Scarfe, C. D.,* **110**(752), 1255
**Heath Jones, D.** — Parallelism of a Fabry-Perot Cavity at Micron Spacings — D. Heath Jones and Joss Bland-Hawthorn; **110**(751), 1059–1066
**Hellier, Coel** — The Phase 0.5 Absorption in SW Sextantis–Type Cataclysmic Variables — Coel Hellier; **110**(746), 420–424
**Helou, George** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**Henry, Todd J.** — *see Krist, John E.,* **110**(751), 1046–1058
**Hershey, J. L.** — *see Schultz, A. B.,* **110**(743), 31–38
**Hershey, John L.** — *see Chance, Don R.,* **110**(746), 425–432
— *see Schneider, Glenn,* **110**(751), 1012–1025
**Hesser, James E.** — *see Stetson, Peter B.,* **110**(747), 533–552
— *see Gim, Munhwan,* **110**(752), 1172–1182
— *see Gim, Munhwan,* **110**(753), 1318–1335
**Hetlinger, J.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Hickson, Paul** — A Technique for Photometric Detection and Measurement of Unresolved Binary Systems — Paul Hickson; **110**(744), 186–192
— A Curvature-compensated Corrector for Drift-Scan Observations — Paul Hickson and E. Harvey Richardson; **110**(751), 1081–1086
**Hillenbrand, Lynne A.** — *see Graham, James R.,* **110**(748), 732–737
**Hilyard, D.** — *see Kells, W.,* **110**(754), 1487–1498
**Hintz, Eric G.** — *see Joner, Michael D.,* **110**(746), 451–457
— Photometric Studies of δ Scuti Stars. II. V1162 Orionis — Eric G. Hintz, Michael D. Joner, and Chulhee Kim; **110**(748), 689–698
**Hoard, D. W.** — Observations of Three Suspected Cataclysmic Variables — D. W. Hoard and S. Wachter; **110**(750), 906–911
**Hogg, David W.** — A Maximum Likelihood Method to Improve Faint-Source Flux and Color Estimates — David W. Hogg and Edwin L. Turner; **110**(748), 727–731
**Holland, Stephen** — The Globular Clusters and Halo of M31 — Stephen Holland; **110**(748), 759
**Honeycutt, R. K.** — Are Z Camelopardalis–Type Dwarf Novae Brighter at Standstill? — R. K. Honeycutt, J. W. Robertson, G. W. Turner, and J. A. Mattei; **110**(748), 676–688
**Hood, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Hooper, Eric J.** — Multiwavelength Observations of Quasars and Their Environments — Eric J. Hooper; **110**(749), 879
**Horne, Keith** — *see Peterson, Bradley M.,* **110**(748), 660–670
**Houck, J. R.** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Howell, Steve B.** — *see Huber, Mark E.,* **110**(749), 784–793
— *see Ciardi, David R.,* **110**(751), 1007–1011
**Huang, M.** — *see Nguyen, Quyen,* **110**(743), 39–46
— *see Belle, K.,* **110**(743), 47–52
**Huber, Mark E.** — Time-resolved Photometry and Spectroscopy of the Cataclysmic Variable V592 Cassiopeiae — Mark E. Huber, Steve B. Howell, David R. Ciardi, and Robert Fried; **110**(749), 784–793
**Humphreys, Roberta M.** — η Carinae at the Millennium — Roberta M. Humphreys; **110**(753), 1382
**Hunter, Todd R.** — A Submillimeter Imaging Survey of Ultracompact H II Regions — Todd R. Hunter; **110**(747), 634
**Hutchings, J. B.** — *see Robinson, R. D.,* **110**(743), 68–78
— Radio Maps of QSOs in Clusters — J. B. Hutchings, A. Dewey, D. Chaytor, S. Ryneveld, A. C. Gower, and E. Ellingson; **110**(744), 111–124
— Resolution of a $z = 1$ QSO with Adaptive Optics — J. B. Hutchings, David Crampton, S. L. Morris, and E. Steinbring; **110**(746), 374–379
— *see Woodgate, B. E.,* **110**(752), 1183–1204
**Hyung, Siek** — The Optical Spectrum of the Planetary Nebula NGC 2440 — Siek Hyung and Lawrence H. Aller; **110**(746), 466–479

## I

**Imanishi, Masatoshi** — *see Goto, Miwa,* **110**(749), 841–847
**Impey, Chris** — The Low Surface Brightness Universe: IAU Colloquium 171 — Chris Impey; **110**(752), 1252–1253

**Iwamuro, Fumihide** — *see Goto, Miwa,* **110**(749), 841–847

## J

**Jagourel, P.** — *see Rigaut, F.,* **110**(744), 152–164
**Jenet, F. A.** — The Effects of Digitization on Nonstationary Stochastic Signals with Applications to Pulsar Signal Baseband Recording — F. A. Jenet and S. B. Anderson; **110**(754), 1467–1478
**Jenkins, E. B.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Jensen, Lasse** — *see Patterson, Joseph,* **110**(746), 380–395
— *see Patterson, Joseph,* **110**(746), 415–419
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
**Jiang, Biwei** — Observational Study of AGB Stars in the Outer Galactic Disk — Biwei Jiang; **110**(744), 214
**Johnson, R.** — *see Burley, G. S.,* **110**(745), 330–338
**Joner, Michael D.** — Photometric Studies of δ Scuti Stars. I. IP Virginis — Michael D. Joner, Eric G. Hintz, and Matthew W. Collier; **110**(746), 451–457
— *see Hintz, Eric G.,* **110**(748), 689–698
**Jones, T. W.** — $10^{51}$ Ergs: The Evolution of Shell Supernova Remnants — T. W. Jones, Lawrence Rudnick, Byung-Il Jun, Kazimierz J. Borkowski, Gloria Dubner, Dale A. Frail, Hyesung Kang, Namir E. Kassim, and Richard McCray; **110**(744), 125–151
**Joseph, C. L.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Jun, Byung-Il** — *see Jones, T. W.,* **110**(744), 125–151
**Junor, William** — Catching the Perfect Wave: Adaptive Optics and Optical Interferometry in the Twenty-First Century — William Junor and Sergio Restaino; **110**(753), 1386–1388
**Jura, M.** — *see Robinson, R. D.,* **110**(743), 68–78

## K

**Kaiser, M. E.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Kaiser, Mary Elizabeth** — STIS Signal-to-Noise Capabilities in the Ultraviolet — Mary Elizabeth Kaiser, Ralph C. Bohlin, Don J. Lindler, Ronald L. Gilliland, Vic S. Argabright, and Randy A. Kimble; **110**(750), 978–990
**Kang, Hyesung** — *see Jones, T. W.,* **110**(744), 125–151
**Kaspi, Shai** — *see Peterson, Bradley M.,* **110**(748), 660–670
**Kassim, Namir E.** — *see Jones, T. W.,* **110**(744), 125–151
**Kato, Taichi** — The 1996 Superoutburst of the New SU UMa–Type Dwarf Nova HS Virginis — Taichi Kato, Daisaku Nogami, Seiji Masuda, and Hajime Baba; **110**(754), 1400–1404
**Kavelaars, J. J.** — Globular Clusters as Dynamical Probes of the S0 Galaxy NGC 3115 — J. J. Kavelaars; **110**(748), 758
**Kay, Laura E.** — A Hidden Broad-Line Region in the Weak Seyfert 2 Galaxy NGC 788 — Laura E. Kay and Edward C. Moran; **110**(751), 1003–1006
**Kells, W.** — COSMIC: A Multiobject Spectrograph and Direct Imaging Camera for the 5 Meter Hale Telescope Prime Focus — W. Kells, A. Dressler, A. Sivaramakrishnan, D. Carr, E. Koch, H. Epps, D. Hilyard, and G. Pardeilhan; **110**(754), 1487–1498
**Kemp, Jonathan** — *see Patterson, Joseph,* **110**(746), 380–395
— *see Patterson, Joseph,* **110**(746), 403–414
— *see Patterson, Joseph,* **110**(746), 415–419
— *see Patterson, Joseph,* **110**(753), 1290–1303
— *see Thorstensen, John R.,* **110**(754), 1405–1411
**Keyes, C. D.** — *see Schultz, A. B.,* **110**(743), 31–38
**Kim, Chulhee** — *see Hintz, Eric G.,* **110**(748), 689–698
**Kim, D.-C.** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**Kimble, R. A.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Kimble, Randy A.** — *see Kaiser, Mary Elizabeth,* **110**(750), 978–990
**Kingdon, J. B.** — *see Ferland, G. J.,* **110**(749), 761–778
**Kinman, T. D.** — The δ Scuti Star GSC 2985-01044 — T. D. Kinman; **110**(753), 1277–1289
**Kirkpatrick, D.** — *see Beichman, C. A.,* **110**(746), 367–373
**Kiyota, Seiichiro** — *see Patterson, Joseph,* **110**(753), 1290–1303
**Kleyna, Jan** — *see Koranyi, Daniel M.,* **110**(754), 1464–1466
**Koch, E.** — *see Kells, W.,* **110**(754), 1487–1498
**Kochte, M.** — *see Schultz, A. B.,* **110**(743), 31–38
**Koranyi, Daniel M.** — Self-consistent Photometric Calibration of a Mosaic Survey with Overlaps — Daniel M. Koranyi, Jan Kleyna, and Norman A. Grogin; **110**(754), 1464–1466
**Koresko, Chris D.** — *see Kuchner, Marc J.,* **110**(753), 1336–1341
**Korista, K. T.** — *see Ferland, G. J.,* **110**(749), 761–778
**Kraemer, S.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Kramer, Rachel** — *see Patterson, Joseph,* **110**(746), 415–419
**Kriessler, Jeffrey R.** — Studies of Substructure in Galaxy Clusters: A Two-dimensional Analysis — Jeffrey R. Kriessler; **110**(743), 92
**Krisciunas, Kevin** — The Recognition of Unusual Objects in the Sloan Digital Sky Survey Color System — Kevin Krisciunas, Bruce Margon, and Paula Szkody; **110**(753), 1342–1355
**Krist, John E.** — Characterization and Subtraction of Well-Exposed *HST*/NICMOS Camera 2 Point-Spread Functions for a Survey of Very Low Mass Companions to Nearby Stars — John E. Krist, David A. Golimowski, Daniel J. Schroeder, and Todd J. Henry; **110**(751), 1046–1058
**Kuchner, Marc J.** — An 11.6 Micron Keck Search for Exo-Zodiacal Dust — Marc J. Kuchner, Michael E. Brown, and Chris D. Koresko; **110**(753), 1336–1341
**Kurtz, Michael J.** — RVSAO 2.0: Digital Redshifts and Radial Velocities — Michael J. Kurtz and Douglas J. Mink; **110**(750), 934–977

## L

**Lacombe, F.** — Adaptive Optics Imaging at 1–5 Microns on Large Telescopes:The COMIC Camera for ADONIS — F. Lacombe, O. Marco, H. Geoffray, J. L. Beuzit, J. L. Monin, P. Gigan, B. Talureau, P. Feautrier, P. Petmezakis, and D. Bonaccini; **110**(751), 1087–1097
**Lai, O.** — *see Rigaut, F.,* **110**(744), 152–164
**Lambert, David L.** — *see Giridhar, Sunetra,* **110**(748), 671–675
**LaMothe, Joseph** — *see Bottorff, Mark,* **110**(751), 1040–1045
**Landy, David H.** — *see Reed, B. Cameron,* **110**(743), 27–30
**Lanning, Howard H.** — A Finding List of Faint UV-bright Stars in the Galactic Plane. IV. — Howard H. Lanning and Michael Meakes; **110**(747), 586–609
**Larson, Ana M.** — *see VandenBerg, Don A.,* **110**(744), 98–104
**Lattanzi, M. G.** — *see Gai, M.,* **110**(749), 848–862
**Leckrone, D. S.** — *see Robinson, R. D.,* **110**(743), 68–78
**Leighly, K. M.** — *see Halpern, J. P.,* **110**(754), 1394–1399
**Levato, Hugo** — *see García, Beatriz,* **110**(743), 53–59
**Levy, David H.** — Happy Islands: A Personal Remembrance of Gene Shoemaker — David H. Levy; **110**(746), 490–492
**Lindegren, Lennart** — *see Dravins, Dainis,* **110**(747), 610–633
— *see Dravins, Dainis,* **110**(751), 1118–1118
**Lindler, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Lindler, D. J.** — *see Robinson, R. D.,* **110**(743), 68–78
**Lindler, Don J.** — *see Kaiser, Mary Elizabeth,* **110**(750), 978–990
**Linsky, J. L.** — *see Robinson, R. D.,* **110**(743), 68–78
— *see Woodgate, B. E.,* **110**(752), 1183–1204
**Loiacono, J. J.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Lonsdale, C. J.** — *see Beichman, C. A.,* **110**(746), 367–373
**Loth, Alice L.** — Objective-Prism Spectral Classifications of Northern Proper-Motion Stars — Alice L. Loth and William P. Bidelman; **110**(745), 268–269
**Low, F. J.** — *see Beichman, C. A.,* **110**(746), 480–489
**Ludtke, C.** — *see Woodgate, B. E.,* **110**(752), 1183–1204

## M

**Madore, Barry F.** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**Maihara, Toshinori** — *see Goto, Miwa,* **110**(749), 841–847
**Malaroda, Stella** — *see García, Beatriz,* **110**(743), 53–59
**Mantegazza, L.** — *see Zerbi, F. M.,* **110**(749), 804–809
**Maoz, Dan** — *see Peterson, Bradley M.,* **110**(748), 660–670
**Maran, S. P.** — *see Robinson, R. D.,* **110**(743), 68–78
— *see Woodgate, B. E.,* **110**(752), 1183–1204
**Marchenko, Sergey V.** — The Wolf-Rayet Binary WR 141 (WN5o + O5 V–III) Revisited — Sergey V. Marchenko, Anthony F. J. Moffat, and Philippe R. J. Eenens; **110**(754), 1416–1422
**Marco, O.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Marcy, Geoffrey W.** — *see Butler, R. Paul,* **110**(754), 1389–1393

**Margon, Bruce** — *see Deutsch, Eric W.,* **110**(750), 912–916
— *see Krisciunas, Kevin,* **110**(753), 1342–1355
**Marshall, H. L.** — *see Halpern, J. P.,* **110**(754), 1394–1399
**Mason, B. D.** — *see McKibben, W. P.,* **110**(750), 900–905
**Masuda, Seiji** — *see Kato, Taichi,* **110**(754), 1400–1404
**Mattei, J. A.** — *see Honeycutt, R. K.,* **110**(748), 676–688
**Mattei, Janet A.** — *see Patterson, Joseph,* **110**(746), 380–395
**Mazzarella, Joseph M.** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**McClure, Robert D.** — *see Gim, Munhwan,* **110**(752), 1172–1182
**McCray, Richard** — *see Jones, T. W.,* **110**(744), 125–151
**McDonald, K.** — *see Welsh, B. Y.,* **110**(749), 827–830
**McFadden, Lucy-Ann** — *see Trimble, Virginia,* **110**(745), 223–267
**McKibben, W. P.** — A Long-Period Spectroscopic Binary in the O-Star Multiple System HD 193322 — W. P. McKibben, W. G. Bagnuolo, Jr., D. R. Gies, M. E. Hahula, W. I. Hartkopf, L. C. Roberts, Jr., C. T. Bolton, A. W. Fullerton, B. D. Mason, L. R. Penny, and M. L. Thaller; **110**(750), 900–905
**Meakes, Michael** — *see Lanning, Howard H.,* **110**(747), 586–609
**Mena-Werth, Jose** — *see Scoville, Frederick,* **110**(749), 794–803
**Mennickent, R. E.** — BR Lupi: Evidence for a High-Inclination SU Ursae Majoris Starwith Orbital Period 1.91 Hours — R. E. Mennickent and C. Sterken; **110**(751), 1032–1039
**Meyer, W.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Mezey, Eva** — *see Dravins, Dainis,* **110**(747), 610–633
— *see Dravins, Dainis,* **110**(751), 1118–1118
**Michika, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Milone, E. F.** — *see Wilson, W. J. F.,* **110**(746), 433–450
**Mink, Douglas J.** — *see Kurtz, Michael J.,* **110**(750), 934–977
**Minske, Jocelyn Kelly** — *see von Braun, Kaspar,* **110**(749), 810–820
**Miroshnichenko, Anatoly S.** — High State of Hα Emission Activity of the Herbig Be Star HD 200775 — Anatoly S. Miroshnichenko, Christopher L. Mulliss, Karen S. Bjorkman, Nancy D. Morrison, Yuri V. Glagolevskij, and Georgij A. Chountonov; **110**(750), 883–887
**Misch, Anthony A.** — *see Graham, James R.,* **110**(748), 732–737
**Misselt, K. A.** — Polarimetry of the LMC X-Ray Binary A0538−66 during an "On/Off" Transition in 1991 — K. A. Misselt, Geoffrey C. Clayton, and R. E. Schulte-Ladbeck; **110**(746), 396–402
**Moffat, Anthony F. J.** — *see Eversberg, Thomas,* **110**(753), 1356–1369
— *see Marchenko, Sergey V.,* **110**(754), 1416–1422
**Momjian, Emmanuel** — *see Bottorff, Mark,* **110**(751), 1040–1045
**Monin, J. L.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Moos, H. W.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Moran, Edward C.** — *see Kay, Laura E.,* **110**(751), 1003–1006
**Moreno, H.** — *see Gutiérrez-Moreno, A.,* **110**(746), 458–465
**Morrell, Nidia** — *see García, Beatriz,* **110**(743), 53–59
**Morris, S. L.** — *see Hutchings, J. B.,* **110**(746), 374–379
**Morrison, Nancy D.** — *see Miroshnichenko, Anatoly S.,* **110**(750), 883–887
**Motohara, Kentaro** — *see Goto, Miwa,* **110**(749), 841–847
**Mukai, Koji** — *see Patterson, Joseph,* **110**(746), 403–414
**Müller, Thomas G.** — Asteroids as Far-Infrared Photometric Standards — Thomas G. Müller; **110**(750), 1001
**Mulliss, Christopher L.** — *see Miroshnichenko, Anatoly S.,* **110**(750), 883–887
**Murtagh, Fionn** — *see Starck, Jean-Luc,* **110**(744), 193–199
**Musazzi, F.** — CCD Photometry of the High-Amplitude δ Scuti Stars V798 Cygni and V831 Tauri — F. Musazzi, E. Poretti, S. Covino, and A. Arellano Ferro; **110**(752), 1156–1163

## N

**Najita, J.** — *see Graham, James R.,* **110**(752), 1205–1215
**Nguyen, Q.** — *see Belle, K.,* **110**(743), 47–52
**Nguyen, Quyen** — Rotationally Broadened Synthetic Spectra for *HST* and *IUE* Observations of Exposed White Dwarfs in Cataclysmic Variables — Quyen Nguyen, Dirk Fabian, Kunegunda Belle, M. Huang, and E. M. Sion; **110**(743), 39–46
**Nogami, Daisaku** — *see Kato, Taichi,* **110**(754), 1400–1404
**Novak, Rudolf** — *see Patterson, Joseph,* **110**(746), 380–395
**Nugent, Richard L.** — New Measurements of the Expansion of the Crab Nebula — Richard L. Nugent; **110**(749), 831–836

## O

**O'Dea, Christopher P.** — The Compact Steep-Spectrum and Gigahertz Peaked-Spectrum Radio Sources — Christopher P. O'Dea; **110**(747), 493–532
**O'Donoghue, Darragh** — *see Patterson, Joseph,* **110**(746), 415–419
**Oemler, A.** — *see Sabbey, C. N.,* **110**(751), 1067–1080
**Oke, J. B.** — *see Wachter, Stefanie,* **110**(749), 821–826
**Osterbrock, Donald E.** — Faint OH ($v' = 10$), $^{17}$OH, and $^{18}$OH Emission Lines in the Spectrum of the Night Airglow — Donald E. Osterbrock, Jon P. Fulbright, Philip C. Cosby, and Thomas A. Barlow; **110**(754), 1499–1510

## P

**Pahre, Michael A.** — Elliptical Galaxies: Structure, Stellar Content, and Evolution — Michael A. Pahre; **110**(752), 1249
**Pardeilhan, G.** — *see Kells, W.,* **110**(754), 1487–1498
**Parkes, Michael** — *see Percy, John R.,* **110**(754), 1431–1433
**Patten, Brian M.** — *see Simon, Theodore,* **110**(745), 283–290
— *see Simon, Theodore,* **110**(748), 761–761
**Patterson, Joseph** — Two Galactic Supersoft X-Ray Binaries: V Sagittae and T Pyxidis — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, John R. Thorstensen, David R. Skillman, Jerry Gunn, Lasse Jensen, Tonny Vanmunster, Sergei Shugarov, Janet A. Mattei, Tariq Shahbaz, and Rudolf Novak; **110**(746), 380–395
— Rapid Oscillations in Cataclysmic Variables. XIII. WZ Sagittae Revisited — Joseph Patterson, Hayley Richman, Jonathan Kemp, and Koji Mukai; **110**(746), 403–414
— Rapid Oscillations in Cataclysmic Variables. XIV. Orbital and Spin Ephemerides of FO Aquarii — Joseph Patterson, Jonathan Kemp, Hayley R. Richman, David R. Skillman, Tonny Vanmunster, Lasse Jensen, David A. H. Buckley, Darragh O'Donoghue, and Rachel Kramer; **110**(746), 415–419
— Superhumps in Cataclysmic Binaries. XIII. CP Puppis — Joseph Patterson and Brian Warner; **110**(751), 1026–1031
— Late Evolution of Cataclysmic Variables — Joseph Patterson; **110**(752), 1132–1147
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— Superhumps in Cataclysmic Binaries. XV. EG Cancri, King of the Echo Outbursts — Joseph Patterson, Jonathan Kemp, David R. Skillman, David A. Harvey, Allen W. Shafter, Tonny Vanmunster, Lasse Jensen, Robert Fried, Seiichiro Kiyota, John R. Thorstensen, and Cynthia J. Taylor; **110**(753), 1290–1303
**Penny, L. R.** — *see McKibben, W. P.,* **110**(750), 900–905
**Percy, John R.** — Editorial — John R. Percy; **110**(743), 2
— Period Changes, Evolution, and Multiperiodicity in the Peculiar Population II Cepheid RU Camelopardalis — John R. Percy and Jonathan Hale; **110**(754), 1428–1430
— Pulsation Modes in Small-Amplitude Red Variable Stars — John R. Percy and Michael Parkes; **110**(754), 1431–1433
**Pesenson, Igor** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**Peterson, Bradley M.** — On Uncertainties in Cross-Correlation Lags and the Reality of Wavelength-dependent Continuum Lags in Active Galactic Nuclei — Bradley M. Peterson, Ignaz Wanders, Keith Horne, Stefan Collier, Tal Alexander, Shai Kaspi, and Dan Maoz; **110**(748), 660–670
**Petmezakis, P.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Pfister, Leonhard** — *see Haas, Michael R.,* **110**(745), 339–364
**Phillips, André** — *see Boccas, Maxime,* **110**(745), 306–316
**Pickles, A. J.** — A Stellar Spectral Flux Library: 1150–25000 Å — A. J. Pickles; **110**(749), 863–878
**Piskunov, Nikolai** — *see Eversberg, Thomas,* **110**(753), 1356–1369
**Popper, Daniel M.** — V380 Cygni Once More: A Close Detached Binary with an Evolved B-Type Component. I. Spectroscopic Orbits — Daniel M. Popper and Edward F. Guinan; **110**(747), 572–579
— *Hipparcos* Parallaxes of Eclipsing Binaries and the Radiative Flux Scale — Daniel M. Popper; **110**(750), 919–922
**Poretti, E.** — *see Musazzi, F.,* **110**(752), 1156–1163
**Poutanen, Juri** — *see Fabian, Andrew C.,* **110**(754), 1511–1512
**Pritchet, Chris** — The Stellar Content of Local Group Galaxies: IAU Symposium 192 — Chris Pritchet; **110**(754), 1515–1516

## R

**Reed, B. Cameron** — *BVR* Photometry of Northern Galactic Plane Luminous Stars — B. Cameron Reed, Patrick M. Carmody, and David H. Landy; **110**(743), 27–30
— Hα Emission Stars in the Case-Hamburg Luminous Stars Surveys — B. Cameron Reed; **110**(754), 1423–1427
**Restaino, Sergio** — *see Junor, William,* **110**(753), 1386–1388
**Rice, John B.** — *see Eversberg, Thomas,* **110**(753), 1356–1369
**Richardson, E. Harvey** — *see Hickson, Paul,* **110**(751), 1081–1086
**Richman, Hayley** — *see Patterson, Joseph,* **110**(746), 403–414
**Richman, Hayley R.** — *see Patterson, Joseph,* **110**(746), 415–419
**Richmond, Michael W.** — The Supernova Rate in Starburst Galaxies — Michael W. Richmond, Alexei V. Filippenko, and John Galisky; **110**(747), 553–571
**Rigaut, F.** — Performance of the Canada-France-Hawaii Telescope Adaptive Optics Bonnette — F. Rigaut, D. Salmon, R. Arsenault, J. Thomas, O. Lai, D. Rouan, J. P. Véran, P. Gigan, David Crampton, J. M. Fletcher, J. Stilburn, C. Boyer, and P. Jagourel; **110**(744), 152–164
**Rinehart, S. A.** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Rizzi, Nicola** — *see Fiorucci, Massimo,* **110**(744), 105–110
**Roberts, L. C., Jr.** — *see McKibben, W. P.,* **110**(750), 900–905
**Robertson, J. W.** — *see Honeycutt, R. K.,* **110**(748), 676–688
**Robinson, R. D.** — The Goddard High Resolution Spectrograph: Post-COSTAR Characteristics — R. D. Robinson, T. B. Ake, D. J. Lindler, S. R. Heap, K. G. Carpenter, D. S. Leckrone, S. P. Maran, A. M. Smith, J. C. Brandt, E. A. Beaver, A. Boggess, D. C. Ebbets, J. B. Hutchings, M. Jura, J. L. Linsky, B. D. Savage, L. M. Trafton, F. M. Walter, and R. J. Weymann; **110**(743), 68–78
**Roddier, François** — Maximum Gain and Efficiency of Adaptive Optics Systems — François Roddier; **110**(749), 837–840
**Roesler, F.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Rose, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Rose, James A.** — *see Stock, Jurgen,* **110**(754), 1434–1447
**Rouan, D.** — *see Rigaut, F.,* **110**(744), 152–164
**Rucinski, Slavek M.** — VLA Observations of Radio Variability of ER Vulpeculae in 1995 — Slavek M. Rucinski; **110**(745), 272–275
**Rudnick, Lawrence** — *see Jones, T. W.,* **110**(744), 125–151
**Rutledge, Robert E.** — The Astronomer's Telegram: A Web-based Short-Notice Publication System for the Professional Astronomical Community — Robert E. Rutledge; **110**(748), 754–756
**Ryan, P.** — Scintillation Reduction Method for Photometric Measurements — P. Ryan and D. Sandler; **110**(752), 1235–1248
**Ryneveld, S.** — *see Hutchings, J. B.,* **110**(744), 111–124

## S

**Sabbey, C. N.** — Data Acquisition for a 16 CCD Drift-Scan Survey — C. N. Sabbey, P. Coppi, and A. Oemler; **110**(751), 1067–1080
**Salgado, José Francisco** — *see von Braun, Kaspar,* **110**(749), 810–820
**Salmon, D.** — *see Rigaut, F.,* **110**(744), 152–164
**Sandler, D.** — *see Ryan, P.,* **110**(752), 1235–1248
**Sarajedini, Vicki Lynn** — Compact Nuclei in Galaxies at Moderate Redshift — Vicki Lynn Sarajedini; **110**(750), 999
**Sarma, M. B. K.** — V Crateris: Photometric Elements — M. B. K. Sarma and P. Vivekananda Rao; **110**(744), 93–97
**Savage, B. D.** — *see Robinson, R. D.,* **110**(743), 68–78
**Scarfe, C. D.** — Precise Stellar Radial Velocities — C. D. Scarfe and J. B. Hearnshaw; **110**(752), 1255
**Schinckel, Anthony** — *see Boccas, Maxime,* **110**(745), 306–316
**Schmitz, Marion** — *see Corwin, Harold G., Jr.,* **110**(749), 779–783
**Schneider, Glenn** — Duplicity in *Hubble Space Telescope* Guide Stars: Fine Guidance Sensor Serendipitous Survey Results — Glenn Schneider, John L. Hershey, and Michael T. Wenz; **110**(751), 1012–1025
**Schroeder, Daniel J.** — *see Krist, John E.,* **110**(751), 1046–1058
**Schulte-Ladbeck, R.** — *see Weitenbeck, A. J.,* **110**(750), 917–918
**Schulte-Ladbeck, R. E.** — *see Misselt, K. A.,* **110**(746), 396–402
**Schultz, A. B.** — *Hubble Space Telescope*/Faint Object Spectrograph Imaging of Wolf 424 AB: Is This Binary a Double Brown Dwarf System? — A. B. Schultz, H. M. Hart, J. L. Hershey, F. C. Hamilton, M. Kochte, F. C. Bruhweiler, G. F. Benedict, John Caldwell, C. Cunningham, O. G. Franz, C. D. Keyes, and J. C. Brandt; **110**(743), 31–38
**Scoville, Frederick** — Recalibration of the Wilson-Bappu Effect Using the Singly Ionized Magnesium *k* Line — Frederick Scoville and Jose Mena-Werth; **110**(749), 794–803
**Sevenster, Maartje** — Stellar Structure and Dynamics of the Inner Galaxy — Maartje Sevenster; **110**(748), 760
**Shafter, Allen W.** — *see Patterson, Joseph,* **110**(753), 1290–1303
**Shahbaz, Tariq** — *see Patterson, Joseph,* **110**(746), 380–395
**Shambrook, Anouk** — *see Patterson, Joseph,* **110**(746), 380–395
**Shugarov, Sergei** — *see Patterson, Joseph,* **110**(746), 380–395
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
**Sillanpää, Aimo** — BL Lacertae Phenomenon — Aimo Sillanpää and Leo O. Takalo; **110**(752), 1254
**Simon, Theodore** — A Deep X-Ray Image of IC 2391 — Theodore Simon and Brian M. Patten; **110**(745), 283–290
— A Deep X-Ray Image of IC 2391: Errratum — Theodore Simon and Brian M. Patten; **110**(748), 761–761
**Sion, E. M.** — *see Nguyen, Quyen,* **110**(743), 39–46
— *see Belle, K.,* **110**(743), 47–52
**Sion, Edward M.** — The 11th European Workshop on White Dwarfs — Edward M. Sion; **110**(752), 1256–1258
**Sivaramakrishnan, A.** — *see Kells, W.,* **110**(754), 1487–1498
**Skillman, David R.** — *see Patterson, Joseph,* **110**(746), 380–395
— *see Patterson, Joseph,* **110**(746), 415–419
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
**Skrutskie, M.** — *see Beichman, C. A.,* **110**(746), 367–373
**Skrutskie, M.** — *see Beichman, C. A.,* **110**(746), 480–489
**Smecker-Hane, Tammy A.** — *see Stetson, Peter B.,* **110**(747), 533–552
**Smith, A. M.** — *see Robinson, R. D.,* **110**(743), 68–78
**Smith, Craig H.** — Mid-Infrared Sky Brightness Site Testing at the South Pole — Craig H. Smith and Doyal A. Harper; **110**(748), 747–753
**Smith, Graeme H.** — *IRAS* Detections of Metal-poor Red Giants — Graeme H. Smith; **110**(752), 1119–1131
**Smith, H. E.** — *see Beichman, C. A.,* **110**(746), 367–373
**Smith, J. A.** — White Dwarfs in Wide Binaries and the Age of the Galaxy — J. A. Smith; **110**(752), 1251
**Smith, J. D.** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Smith, Paul S.** — Photometric Calibration of Stars in the Fields of Selected BL Lacertae Objects and Quasars — Paul S. Smith and Thomas J. Balonek; **110**(752), 1164–1171
**Starck, Jean-Luc** — Automatic Noise Estimation from the Multiresolution Support — Jean-Luc Starck and Fionn Murtagh; **110**(744), 193–199
**Starrfield, Sumner** — *see Gehrz, Robert D.,* **110**(743), 3–26
**Steinbring, E.** — *see Hutchings, J. B.,* **110**(746), 374–379
**Steiner, J. E.** — The V Sagittae Stars — J. E. Steiner and M. P. Diaz; **110**(745), 276–282
**Sterken, C.** — *see Mennickent, R. E.,* **110**(751), 1032–1039
**Stetson, Peter B.** — Homogeneous Photometry for Star Clusters and Resolved Galaxies. I. A Survey of Bright Stars in the Fornax Dwarf Spheroidal Galaxy — Peter B. Stetson, James E. Hesser, and Tammy A. Smecker-Hane; **110**(747), 533–552
— *see Gim, Munhwan,* **110**(752), 1172–1182
— *see Gim, Munhwan,* **110**(753), 1318–1335
— On the Photometric Consequences of Charge-Transfer Inefficiency in WFPC2 — Peter B. Stetson; **110**(754), 1448–1463
**Stilburn, J.** — *see Rigaut, F.,* **110**(744), 152–164
**Stock, Jurgen** — Digital Objective Prism Spectroscopy and Astrometry: Quantitative Methods and Application to High-Velocity Stars — Jurgen Stock, James A. Rose, and Rui J. Agostinho; **110**(754), 1434–1447
**Stocker, R.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Storchi-Bergmann, T.** — *see Halpern, J. P.,* **110**(754), 1394–1399
**Storey, John W. V.** — *see Boccas, Maxime,* **110**(745), 306–316
**Sugiyama, Kouji** — *see Goto, Miwa,* **110**(749), 841–847
**Sullivan, J.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Svensson, Roland** — *see Fabian, Andrew C.,* **110**(754), 1511–1512
**Swain, Mark R.** — Options for Studying Star Formation at High Redshift — Mark R. Swain; **110**(750), 991–994
**Szkody, Paula** — *see Krisciunas, Kevin,* **110**(753), 1342–1355

## T

**Tajitsu, Akito** — *see Weinberger, Ronald,* **110**(748), 722–726
**Takalo, Leo O.** — *see Sillanpää, Aimo,* **110**(752), 1254

**Tallon, Michel** — *see Fuchs, Alain,* **110**(743), 86–91
**Talureau, B.** — *see Lacombe, F.,* **110**(751), 1087–1097
**Tamura, Shin'ichi** — *see Weinberger, Ronald,* **110**(748), 722–726
**Tango, W. J.** — Scintillation in Optical Stellar Interferometry — W. J. Tango; **110**(750), 995–998
**Taylor, Benjamin J.** — Analyses of Archival [Fe/H] Results for Cool Evolved Stars. I. Basic Rules and [Fe/H] Corrections — Benjamin J. Taylor; **110**(748), 699–707
— Analyses of Archival [Fe/H] Results for Cool Evolved Stars. II. [Fe/H] Standard Stars — Benjamin J. Taylor; **110**(748), 708–721
**Taylor, Cynthia J.** — Superhumps in Cataclysmic Binaries. XIV. V592 Cassiopeiae — Cynthia J. Taylor, John R. Thorstensen, Joseph Patterson, Robert E. Fried, Tonny Vanmunster, David A. Harvey, David R. Skillman, Lasse Jensen, and Sergei Shugarov; **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
— *see Thorstensen, John R.,* **110**(754), 1405–1411
**Thaller, M. L.** — *see McKibben, W. P.,* **110**(750), 900–905
**Thaller, Michelle** — Colliding Winds in Massive Binary Systems — Michelle Thaller; **110**(747), 636
**Thomas, J.** — *see Rigaut, F.,* **110**(744), 152–164
**Thorstensen, John R.** — *see Patterson, Joseph,* **110**(746), 380–395
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
— Spectroscopy of the Cataclysmic Binaries CY Lyrae, TW Trianguli, and VW Vulpeculae — John R. Thorstensen, Cynthia J. Taylor, and Jonathan Kemp; **110**(754), 1405–1411
**Timmes, F. X.** — *see Diehl, Roland,* **110**(748), 637–659
**Timothy, J. G.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Tomita, Kazuhisa** — *see Goto, Miwa,* **110**(749), 841–847
**Tosti, Gino** — *see Fiorucci, Massimo,* **110**(744), 105–110
**Trafton, L. M.** — *see Robinson, R. D.,* **110**(743), 68–78
**Trimble, Virginia** — Astrophysics in 1997 — Virginia Trimble and Lucy-Ann McFadden; **110**(745), 223–267
**Truran, James W.** — *see Gehrz, Robert D.,* **110**(743), 3–26
**Turner, Edwin L.** — *see Hogg, David W.,* **110**(748), 727–731
**Turner, G. W.** — *see Honeycutt, R. K.,* **110**(748), 676–688
**Tyler, D. W.** — *see Ellerbroek, B. L.,* **110**(744), 165–185
**Tytler, David** — *see Gubler, Joseph,* **110**(748), 738–746

## V

**Vallerga, J. V.** — *see Welsh, B. Y.,* **110**(749), 827–830
**Van Cleve, Jeffrey** — SCORE: A Mid-Infrared Echelle Format Spectrograph with No Moving Parts — Jeffrey Van Cleve, G. E. Gull, S. A. Rinehart, J. D. Smith, J. C. Wilson, J. R. Houck, Mike Colonno, R. Brown, and W. Blalock; **110**(754), 1479–1486
**VandenBerg, Don A.** — The Luminosity Function of M30: Evidence for Rapidly Rotating Cores in the Cluster Giants? — Don A. VandenBerg, Ana M. Larson, and Roberto De Propris; **110**(744), 98–104
— *see Gim, Munhwan,* **110**(753), 1318–1335
**van den Bergh, Sidney** — New Views of the Magellanic Clouds: IAU Symposium 190 — Sidney van den Bergh; **110**(753), 1377–1378
**VanHouten, C.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Vanlandingham, Karen M.** — Analysis of Three Fast Oxygen-Neon-Magnesium Novae — Karen M. Vanlandingham; **110**(749), 881
**Van Leeuwen, J.** — *see Wilson, W. J. F.,* **110**(746), 433–450
**Vanmunster, Tonny** — *see Patterson, Joseph,* **110**(746), 380–395
**Vanmunster, Tonny** — *see Patterson, Joseph,* **110**(746), 415–419
— *see Taylor, Cynthia J.,* **110**(752), 1148–1155
— *see Patterson, Joseph,* **110**(753), 1290–1303
**Véran, J. P.** — *see Rigaut, F.,* **110**(744), 152–164
**Verner, D. A.** — *see Ferland, G. J.,* **110**(749), 761–778
**Verner, E. M.** — *see Ferland, G. J.,* **110**(749), 761–778
**Verner, Ekaterina** — *see Bottorff, Mark,* **110**(751), 1040–1045
**Vernin, Jean** — *see Fuchs, Alain,* **110**(743), 86–91
— *see Avila, Remy,* **110**(751), 1106–1116
**Vinković, Dejan** — *see Bottorff, Mark,* **110**(751), 1040–1045
**Vivekananda Rao, P.** — *see Sarma, M. B. K.,* **110**(744), 93–97
**Vogt, Steven S.** — *see Butler, R. Paul,* **110**(754), 1389–1393
**von Braun, Kaspar** — Color-Color Relations for Red Giants in Star Clusters — Kaspar von Braun, Kristin Chiboucas, Jocelyn Kelly Minske, José Francisco Salgado, and Guy Worthey; **110**(749), 810–820

## W

**Wachter, S.** — *see Hoard, D. W.,* **110**(750), 906–911
**Wachter, Stefanie** — Metallicities of Two Distant Globular Clusters from Spectra of Moderate Dispersion — Stefanie Wachter, George Wallerstein, Jeffery A. Brown, and J. B. Oke; **110**(749), 821–826
**Wagner, R. Mark** — *see Ciardi, David R.,* **110**(751), 1007–1011
**Walker, G. A. H.** — *see Burley, G. S.,* **110**(745), 330–338
**Wallerstein, George** — *see Wachter, Stefanie,* **110**(749), 821–826
**Walter, F. M.** — *see Robinson, R. D.,* **110**(743), 68–78
**Wampler, Joseph** — Quasars as Standard Candles for Cosmology — Joseph Wampler; **110**(753), 1373–1374
**Wanders, Ignaz** — *see Peterson, Bradley M.,* **110**(748), 660–670
**Wang, Jun-Jie** — A Study of Young Stellar Objects and Star-forming Regions — Jun-Jie Wang; **110**(753), 1371
**Wang, Z. X.** — Constraints on the Radial Velocity Curve of HDE 245770 = A0535+26 — Z. X. Wang and D. R. Gies; **110**(753), 1310–1314
**Warner, Brian** — *see Patterson, Joseph,* **110**(751), 1026–1031
— The Annapolis Workshop on Magnetic Cataclysmic Variables — Brian Warner; **110**(753), 1383–1385
**Wehlau, William H.** — *see Eversberg, Thomas,* **110**(753), 1356–1369
**Weinberger, Ronald** — G247.8+4.9: A Newly Discovered Optical Supernova Remnant in Puppis — Ronald Weinberger, Akito Tajitsu, Shin'ichi Tamura, and Yasushi Yadoumaru; **110**(748), 722–726
**Weistrop, D.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Weitenbeck, A. J.** — Some Low-Polarization B Stars — A. J. Weitenbeck and R. Schulte-Ladbeck; **110**(750), 917–918
**Welsh, B. Y.** — *EUVE* Pointed Observations of the $\beta$ Canis Majoris Interstellar Tunnel — B. Y. Welsh, J. V. Vallerga, and K. McDonald; **110**(749), 827–830
**Wenz, Michael T.** — *see Schneider, Glenn,* **110**(751), 1012–1025
**Weymann, R. J.** — *see Robinson, R. D.,* **110**(743), 68–78
**Williams, Robert E.** — *see Gehrz, Robert D.,* **110**(743), 3–26
**Wilson, J. C.** — *see Van Cleve, Jeffrey,* **110**(754), 1479–1486
**Wilson, W. J. F.** — Studies of Large-Amplitude $\delta$ Scuti Variables. III. DY Pegasi — W. J. F. Wilson, E. F. Milone, D. J. I. Fry, and J. Van Leeuwen; **110**(746), 433–450
**Wishnow, E.** — *see Graham, James R.,* **110**(752), 1205–1215
**Woodgate, B. E.** — The Space Telescope Imaging Spectrograph Design — B. E. Woodgate, R. A. Kimble, C. W. Bowers, S. Kraemer, M. E. Kaiser, A. C. Danks, J. F. Grady, J. J. Loiacono, M. Brumfield, L. Feinberg, T. R. Gull, S. R. Heap, S. P. Maran, D. Lindler, D. Hood, W. Meyer, C. VanHouten, V. Argabright, S. Franka, R. Bybee, D. Dorn, M. Bottema, R. Woodruff, D. Michika, J. Sullivan, J. Hetlinger, C. Ludtke, R. Stocker, A. Delamere, D. Rose, I. Becker, H. Garner, J. G. Timothy, M. Blouke, C. L. Joseph, G. Hartig, R. F. Green, E. B. Jenkins, J. L. Linsky, J. B. Hutchings, H. W. Moos, A. Boggess, F. Roesler, and D. Weistrop; **110**(752), 1183–1204
**Woodruff, R.** — *see Woodgate, B. E.,* **110**(752), 1183–1204
**Worek, Thaddeus F.** — Concerning the Reported Phase-modulated Changes in the Spectrum of 41 Sextantis — Thaddeus F. Worek; **110**(747), 580–585
**Worthey, Guy** — *see von Braun, Kaspar,* **110**(749), 810–820
— Abundance Ratio Trends and Nucleosynthesis in Elliptical Galaxies and Spheroids — Guy Worthey; **110**(750), 888–899

## Y

**Yadoumaru, Yasushi** — *see Weinberger, Ronald,* **110**(748), 722–726
**Young, Andrew T.** — *see Dravins, Dainis,* **110**(747), 610–633
— *see Dravins, Dainis,* **110**(751), 1118–1118

## Z

**Zerbi, F. M.** — Search for Low-Instability Strip Variables in the Young Open Cluster NGC 2516 — F. M. Zerbi, L. Mantegazza, S. Campana, and E. Antonello; **110**(749), 804–809
**Zhang, Zhongyong** — The Reaction of Low-Mass Stars to Anisotropic Irradiation and Its Implications for the Secular Evolution of Cataclysmic Variables — Zhongyong Zhang; **110**(750), 1000
**Zurek, David R.** — *see Gim, Munhwan,* **110**(753), 1318–1335